

ARG30346 Myofibroblast / Fibrosis Antibody Panel

Package: 1 kit
Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG66381	anti-alpha smooth muscle Actin antibody [SQab18108]	Rabbit mAb	AGMK, Bov, Ctl, Dog, Hu, Ms, Pig, Rat, Zfsh	FACS, ICC/IF, IHC-P, IHC-Fr, WB	20 µl
ARG21965	anti-Collagen I antibody, pre-adsorbed	Goat pAb	Bov, Cat, Chk, Dog, Elp, Gpig, Hm, Hu, Ms, Pig, Rb, Rat, Sheep	EM, ELISA, FLISA, FACS, ICC/IF, IHC-P, IHC-Fr, IP, WB	20 µg
ARG66162	anti-Fibronectin antibody	Mouse mAb	Hu, Ms, Rat	IHC-P, WB	20 µg

Summary

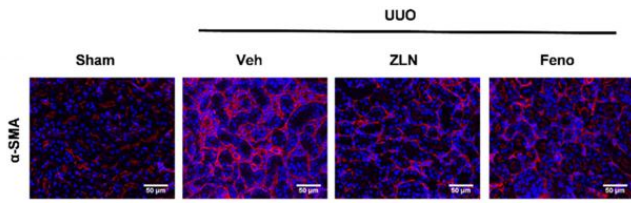
Product Description	<p>Myofibroblasts are a differentiated cell type with a phenotype between a fibroblast and a smooth muscle cell. They play a physiological role in wound healing and fibrosis.</p> <p>Myofibroblast/Fibrosis Antibody Panel is an all-in-one solution to make the research of myofibroblast and fibrosis easy and economical. This antibody panel comprises the myofibroblast markers including smooth muscle actin, collagen I, and fibronectin antibodies. It is the best solution to study myofibroblast and fibrosis in samples from human, mouse or rat.</p> <p>Related news: New antibody panels for Myofibroblasts and CAFs</p>
Target Name	Myofibroblast / Fibrosis

Properties

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

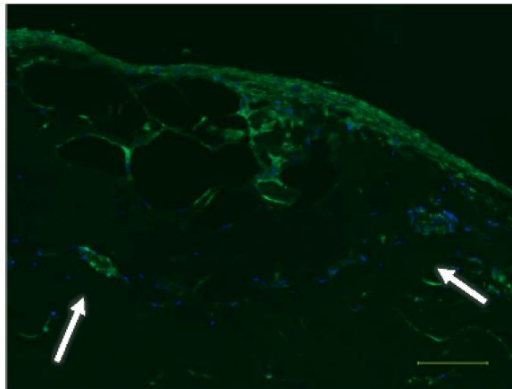
Highlight	<p>Related Product:</p> <p>anti-alpha smooth muscle Actin antibody;</p> <p>anti-Collagen I antibody;</p> <p>anti-Fibronectin antibody;</p>
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ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] ICC-IF image

Immunofluorescence: Mouse kidney stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108].

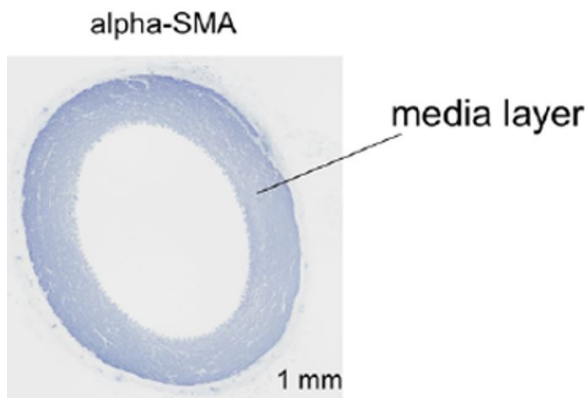
From Pengfei Zhu et al. Pharmaceuticals (Basel)- (2022), [doi: 10.3390/ph15040434](https://doi.org/10.3390/ph15040434), Fig. 1. A.



ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] IHC-P image

Immunohistochemistry: Cattle periosteum stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108].

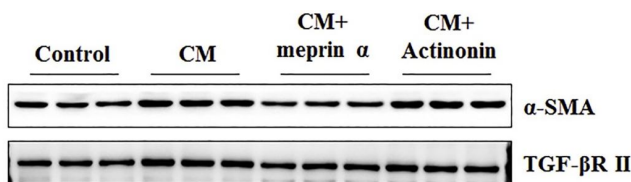
From Mari Akiyama et al. Biomimetics (Basel). (2023), [doi: 10.3390/biomimetics8010007](https://doi.org/10.3390/biomimetics8010007), Fig. 4. C.



ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] IHC-P image

Immunohistochemistry: Bovine blood vessels stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108].

From Mari Akiyama et al. Cell Biochem Biophys. (2024), [doi: 10.1007/s12013-024-01647-5](https://doi.org/10.1007/s12013-024-01647-5), Fig. 5.

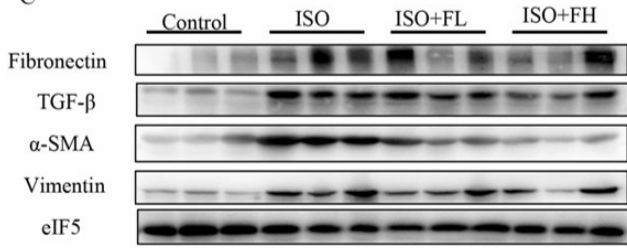


ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] WB image

Western blot: Rat lung fibroblasts stained with [ARG66381](https://doi.org/10.3390/ph15040434) anti-alpha smooth muscle Actin antibody [SQab18108], and [ARG59501](https://doi.org/10.3390/biomimetics8010007) anti-TGFBR2 / TGF beta Receptor II antibody.

From Chen Y et al. Preprint- (2020), [doi: 10.1016/j.omtn.2019.11.018](https://doi.org/10.1016/j.omtn.2019.11.018), Fig. 2. A.

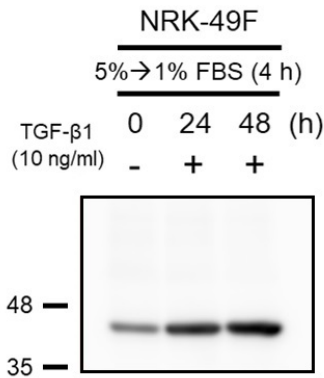
C



ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]
WB image

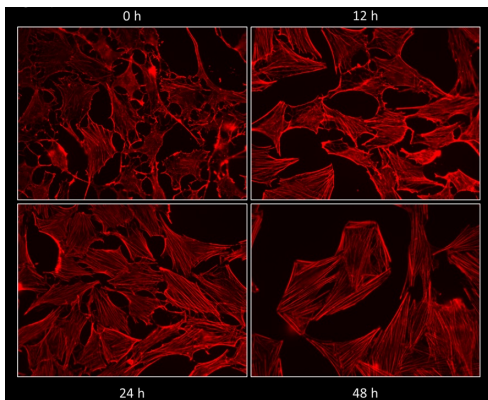
Western blot: Mouse heart stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108].

From Lei Qian et al. Biomed Pharmacother. (2024), [doi: 10.1016/j.biopha.2023.116000](https://doi.org/10.1016/j.biopha.2023.116000), Fig. 2. C.



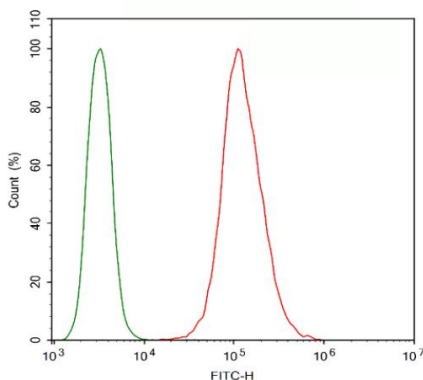
ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]
WB image

Western blot: 30 µg of NRK-49F cells treated with TGF beta 1 (10 ng/ml) for 0~48 hours. Cell lysates were stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] at 1:2000 dilution, overnight at 4°C.



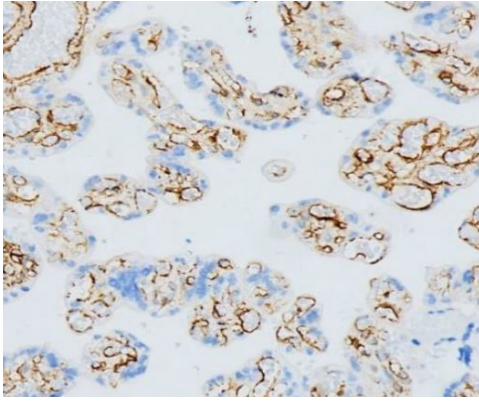
ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]
ICC/IF image

Immunofluorescence: NRK-49F cells treated with TGF beta 1 (10 ng/ml) for 0~48 hours. Cells were fixed with 4% PFA for 15 min at room temperature and permeabilized by 0.5% Triton X-100. Cells were stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] at 1:200 dilution, overnight at 4°C.



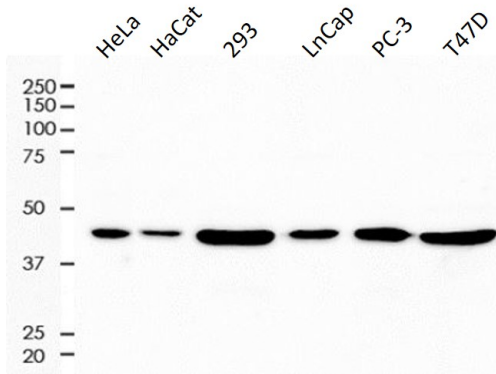
ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]
FACS image

Flow Cytometry: HeLa cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% TritonX-100 for 15 min. The cells were then stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] (red) at 1:100 dilution in 1x PBS/1% BSA for 30 min at 4°C, followed by Alexa Fluor® 488 labelled secondary antibody. Unlabelled sample (green) was used as a control.



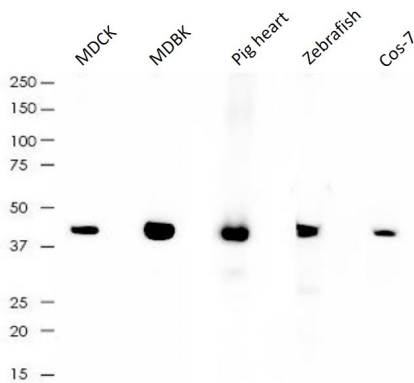
ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]
IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded placenta stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] at 1:2000 dilution. Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer (pH 9.0).



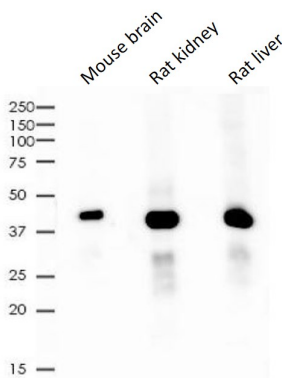
ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]
WB image

Western blot: 10 µg of HeLa, HaCat, 293, LnCap, PC-3 and T47D cell lysates stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] at 1:2000 dilution.



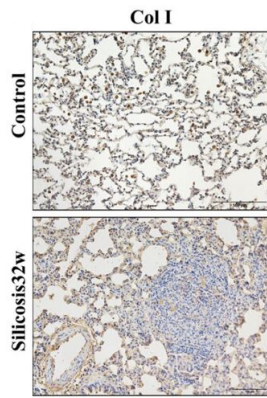
ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]
WB image

Western blot: 10 µg of MDCK, MDBK, Pig heart, Zebrafish and Cos-7 lysates stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] at 1:2000 dilution.



ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]
WB image

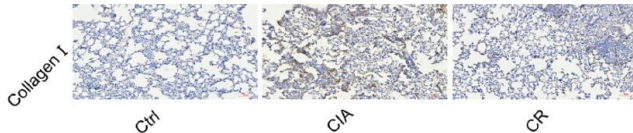
Western blot: 10 µg of Mouse brain, Rat kidney and Rat liver lysates stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] at 1:2000 dilution.



ARG21965 anti-Collagen I antibody, pre-adsorbed IHC-P image

Immunohistochemistry: Rat lung stained with ARG21965 anti-Collagen I antibody, pre-adsorbed.

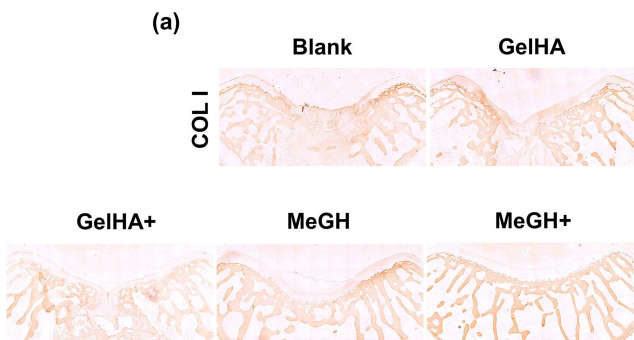
From Geng F et al. *Anim Models Exp Med.* (2025), [doi: 10.1002/ame2.12470](https://doi.org/10.1002/ame2.12470), Fig. 4B.



ARG21965 anti-Collagen I antibody, pre-adsorbed IHC-P image

Immunohistochemistry: Mouse lung stained with ARG21965 anti-Collagen I antibody, pre-adsorbed.

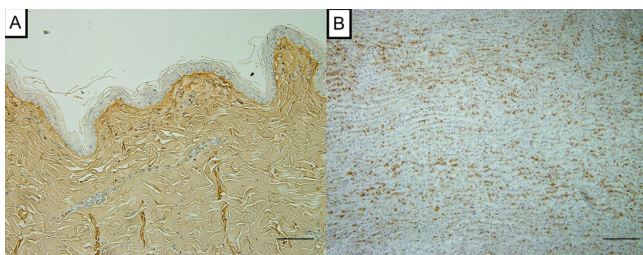
From Liu N et al. *J Transl Med.* (2024), [doi: 10.1186/s12967-024-05228-1](https://doi.org/10.1186/s12967-024-05228-1), Fig. 1F.



ARG21965 anti-Collagen I antibody, pre-adsorbed IHC-P image

Immunohistochemistry: Rabbit osteochondral stained with ARG21965 anti-Collagen I antibody, pre-adsorbed at 1:100 dilution.

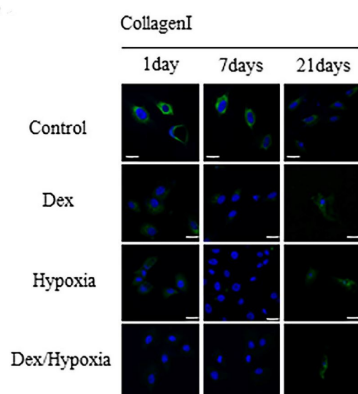
From Wenli Dai et al. *Enhanced osteochondral repair with hyaline cartilage formation using an extracellular matrix-inspired natural scaffold* (2023), [doi: 10.1016/j.scib.2023.07.050](https://doi.org/10.1016/j.scib.2023.07.050), Fig. 7a.



ARG21965 anti-Collagen I antibody, pre-adsorbed IHC-P image

Immunohistochemistry: Canine aorta mesothelial stained with ARG21965 anti-Collagen I antibody, pre-adsorbed at 1:500 dilution.

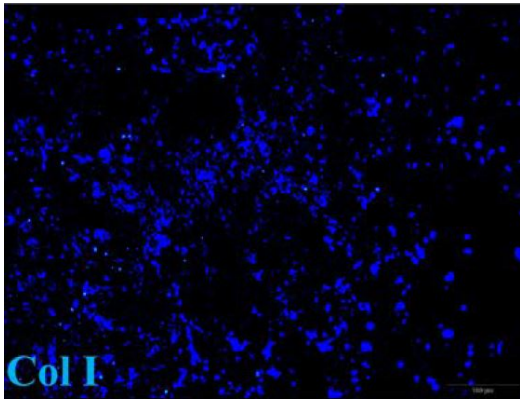
From Masakazu Shimada et al. *PLoS One.* (2022), [doi: 35061786](https://doi.org/10.1371/journal.pone.0247866), Fig. 1.



ARG21965 anti-Collagen I antibody, pre-adsorbed ICC/IF image

Immunofluorescence: Human MSCs stained with ARG21965 anti-Collagen I antibody, pre-adsorbed.

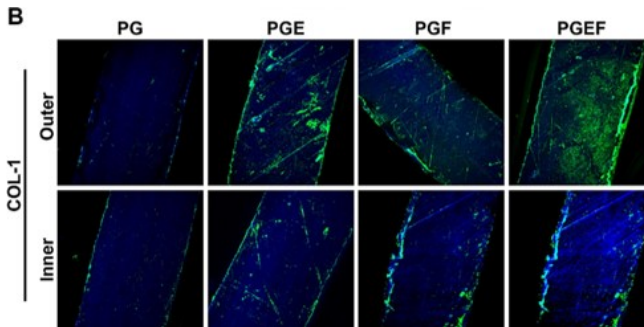
From Shimasaki M et al. *Journal of Medical Sciences* (2024), [doi: 10.7150/ijms.91222](https://doi.org/10.7150/ijms.91222), Fig. 2C.



ARG21965 anti-Collagen I antibody, pre-adsorbed ICC/IF image

Immunofluorescence: Rat lung stained with ARG21965 anti-Collagen I antibody, pre-adsorbed.

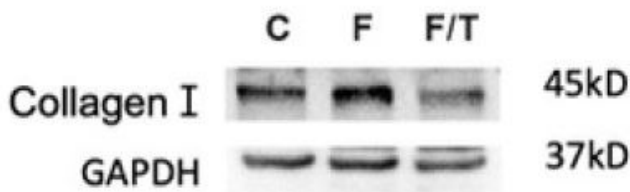
From Geng F et al. *Anim Models Exp Med.* (2025), [doi: 10.1002/ame2.12470](https://doi.org/10.1002/ame2.12470), Fig. 4D.



ARG21965 anti-Collagen I antibody, pre-adsorbed ICC/IF image

Immunofluorescence: Rabbit synovium-derived mesenchymal stem cell stained with ARG21965 anti-Collagen I antibody, pre-adsorbed at 1:1000 dilution.

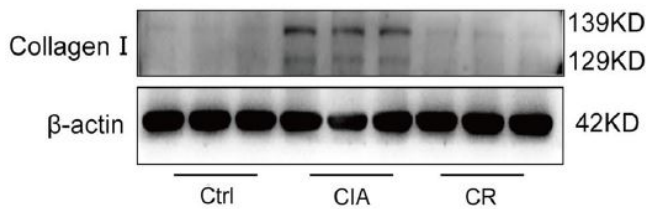
From Zong Li e et al. *Chemical Engineering Journal*, (2023), [doi: 10.1016/j.cej.2023.145209](https://doi.org/10.1016/j.cej.2023.145209), Fig. 4B.



ARG21965 anti-Collagen I antibody, pre-adsorbed WB image

Western blot: Rat bladder stained with ARG21965 anti-Collagen I antibody, pre-adsorbed.

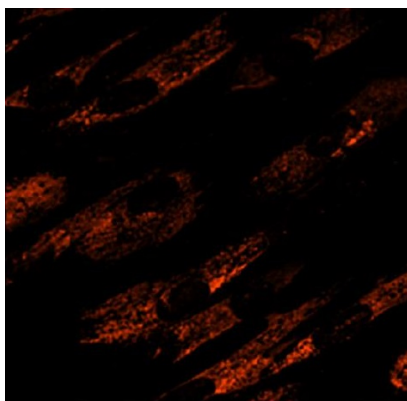
From Lee WC et al. *Int J Mol Sci.* (2025), [doi: 10.3390/ijms26031363](https://doi.org/10.3390/ijms26031363), Fig. 4B.



ARG21965 anti-Collagen I antibody, pre-adsorbed WB image

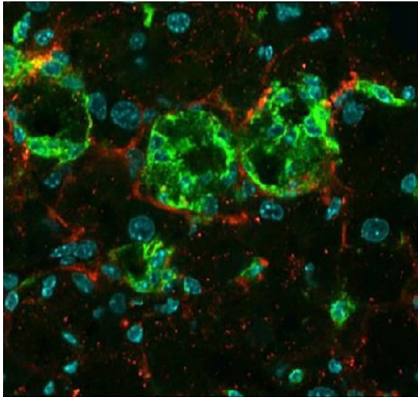
Western blot: Mouse lung stained with ARG21965 anti-Collagen I antibody, pre-adsorbed.

From Liu N et al. *J Transl Med.* (2024), [doi: 10.1186/s12967-024-05228-1](https://doi.org/10.1186/s12967-024-05228-1), Fig. 1G.



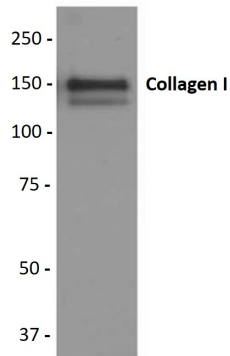
ARG21965 anti-Collagen I antibody, pre-adsorbed ICC/IF image

Immunofluorescence: Human fibroblasts were stained with ARG21965 anti-Collagen I antibody (pre-adsorbed).



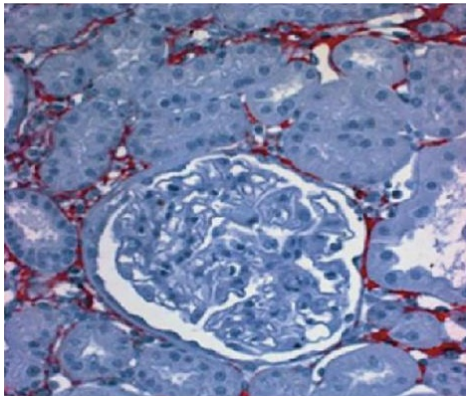
ARG21965 anti-Collagen I antibody, pre-adsorbed IHC-Fr image

Immunohistochemistry: Frozen MC4R-KO Mouse liver section was stained with ARG21965 anti-Collagen I antibody (pre-adsorbed), anti-F4/80 antibody followed by secondary antibodies and DAPI.



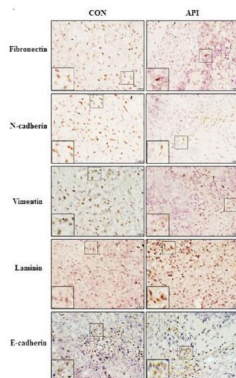
ARG21965 anti-Collagen I antibody, pre-adsorbed WB image

Western blot: Purified Human Type I Collagen stained with ARG21965 anti-Collagen I antibody (pre-adsorbed).



ARG21965 anti-Collagen I antibody, pre-adsorbed IHC-P image

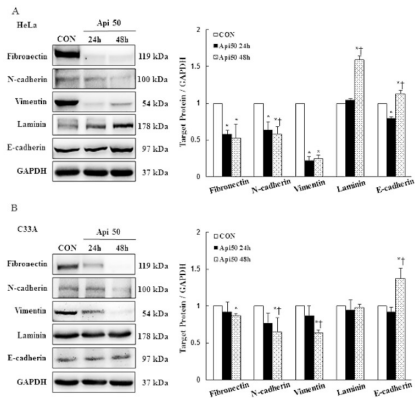
Immunohistochemistry: Paraffin embedded Rat kidney section post uninephrectomy was stained with ARG21965 anti-Collagen I antibody (pre-adsorbed) followed by a secondary antibody and AEC.



ARG66162 anti-Fibronectin antibody IHC-P image

Immunohistochemistry: C33A stained with ARG66162 anti-Fibronectin antibody, [ARG22587 anti-N Cadherin antibody \[13A9\]](#) , [ARG66199 anti-Vimentin antibody \[SQab1721\]](#) , [ARG59198 anti-Laminin antibody](#) and [ARG66195 anti-E Cadherin antibody \[SQab1717\]](#) .

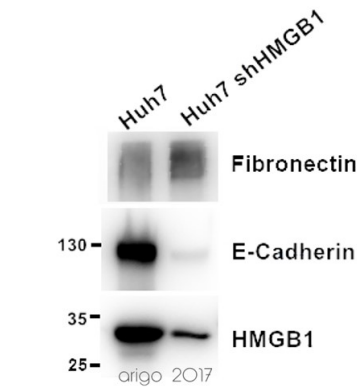
From Chen YH et al. Cancers (Basel)- (2022), [doi: 10.3390/cancers14071824](https://doi.org/10.3390/cancers14071824), Fig. 6. E.



ARG66162 anti-Fibronectin antibody WB image

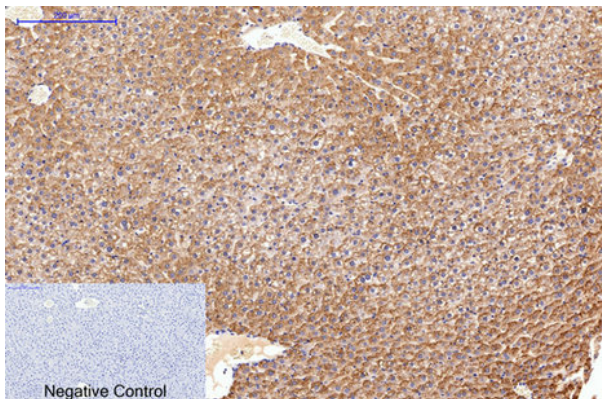
Western blot: HeLa stained with ARG66162 anti-Fibronectin antibody.

From Chen YH et al. *Cancers (Basel)*- (2022), [doi: 10.3390/cancers14071824](https://doi.org/10.3390/cancers14071824), Fig. 5. A.



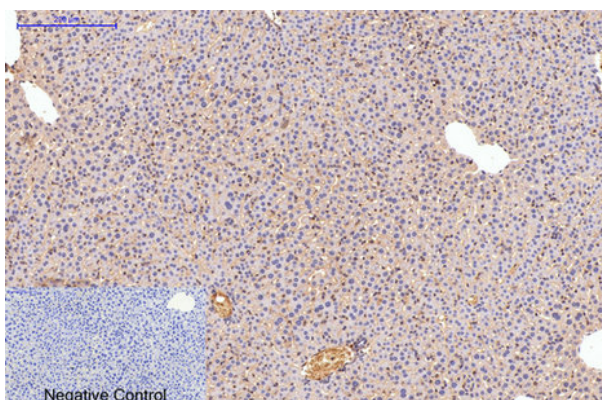
ARG66162 anti-Fibronectin antibody WB image

Western blot: 20 µg of Huh7 and Huh7 shHMGB1 cell lysates stained with ARG66162 anti-Fibronectin antibody (1:1000), ARG55914 anti-E-cadherin antibody (1:1000) and ARG65636 anti-HMGB1 antibody (1:2000).



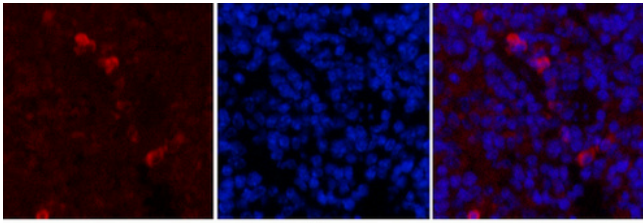
ARG66162 anti-Fibronectin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat liver tissue stained with ARG66162 anti-Fibronectin antibody at 1:200 (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min. Secondary antibody was diluted at 1:200 (RT, 30min). Negative control: Secondary antibody only.



ARG66162 anti-Fibronectin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse liver tissue stained with ARG66162 anti-Fibronectin antibody at 1:200 (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min. Secondary antibody was diluted at 1:200 (RT, 30min). Negative control: Secondary antibody only.



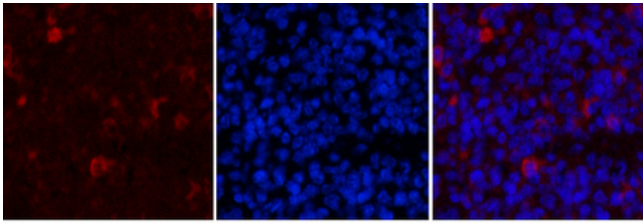
A

B

C

ARG66162 anti-Fibronectin antibody IHC image

Immunohistochemistry: Mouse spleen tissue stained with ARG66162 anti-Fibronectin antibody (red) at 1:200 (4°C, overnight). Picture A: Target. Picture B: DAPI. Picture C: merge of A and B.



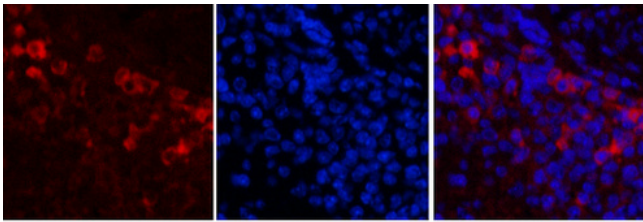
A

B

C

ARG66162 anti-Fibronectin antibody IHC image

Immunohistochemistry: Mouse spleen tissue stained with ARG66162 anti-Fibronectin antibody (red) at 1:200 (4°C, overnight). Picture A: Target. Picture B: DAPI. Picture C: merge of A and B.



A

B

C

ARG66162 anti-Fibronectin antibody IHC image

Immunohistochemistry: Mouse spleen tissue stained with ARG66162 anti-Fibronectin antibody (red) at 1:200 (4°C, overnight). Picture A: Target. Picture B: DAPI. Picture C: merge of A and B.
