

ARG30347 CAF Marker Antibody Panel

Package: 1 kit
Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG66199	anti-Vimentin antibody [SQab1721]	Rabbit mAb	Hu, Ms	FACS, ICC/IF, IHC-Fr, IHC-P, IP, WB	20 µl
ARG55205	anti-S100A4 antibody	Rabbit pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	20 µl
ARG66381	anti-alpha smooth muscle Actin antibody [SQab18108]	Rabbit mAb	Hu, Ms, Rat, AGMK, Bov, Ctl, Dog, Pig, Zfsh	FACS, ICC/IF, IHC-Fr, IHC-P, WB	20 µl
ARG66701	anti-FAP / Fibroblast activation protein antibody	Rabbit pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	20 µl

Summary

Product Description

Cancer-associated fibroblasts (CAFs) are abundant in the cancer stroma and involved in tumor growth, angiogenesis, and metastasis. CAFs comprise a heterogeneous group of fibroblasts and myofibroblasts. High proportion of CAFs is associated with poor prognosis.

CAF Marker Antibody Panel is an all-in-one solution to make the detection of CAFs easy and economical. This antibody panel comprises the marker antibodies of fibroblasts and myofibroblasts. It is the best solution to investigate CAF heterogeneity in tumors. Moreover, it is ideal for the studies of fibroblast activation and fibroblast-to-myofibroblast differentiation.

Related news:

[New antibody panels for Myofibroblasts and CAFs](#)

Target Name

CAF Marker

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.

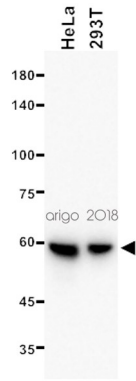
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

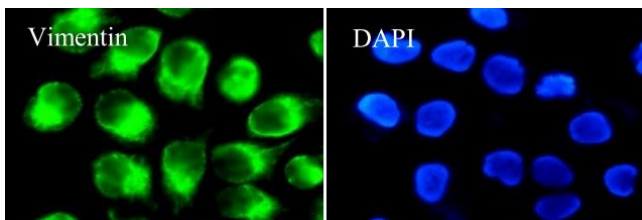
Highlight

Related Product:
[anti-Vimentin antibody;](#)
[anti-S100A4 antibody;](#)
[anti-alpha smooth muscle Actin antibody;](#)
[anti-FAP / Fibroblast activation protein antibody;](#)



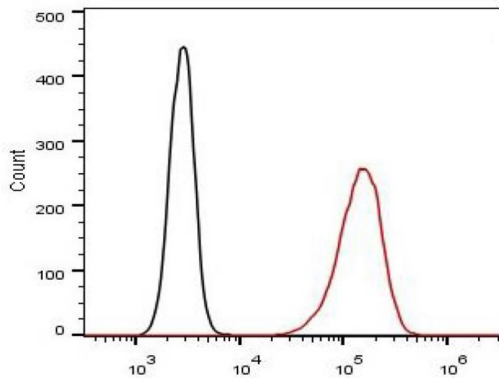
ARG66199 anti-Vimentin antibody [SQab1721] WB image

Western blot: 20 µg of HeLa and 293T cell lysates stained with ARG66199 anti-Vimentin antibody [SQab1721] at 1:1000 dilution.



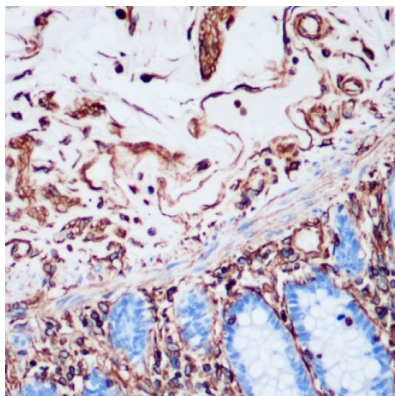
ARG66199 anti-Vimentin antibody [SQab1721] ICC/IF image

Immunofluorescence: HeLa cells were fixed with 4% paraformaldehyde for 30 min at RT, permeabilized with 0.1% Triton X-100 for 10 min at RT then blocked with 10% goat serum for 30 min at room temperature. Cells were stained with ARG66199 anti-Vimentin antibody [SQab1721] (green) at 1:25000 and 4°C. DAPI (blue) was used as the nuclear counter stain.



ARG66199 anti-Vimentin antibody [SQab1721] FACS image

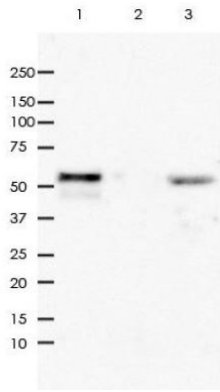
Flow Cytometry: HeLa cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% TritonX-100 for 15 min. The cells were then stained with ARG66199 anti-Vimentin antibody [SQab1721] (red) at 1:500 dilution in 1x PBS/1% BSA for 30 min at 4°C, followed by Alexa Fluor® 488 labelled secondary antibody. Unlabelled sample (black) was used as a control.



ARG66199 anti-Vimentin antibody [SQab1721] IHC-P image

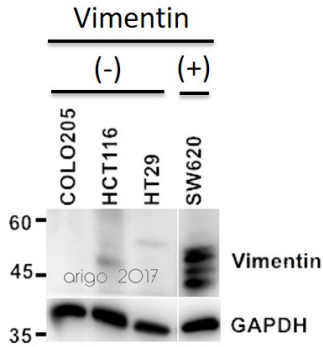
Immunohistochemistry: Formalin-fixed and paraffin-embedded Human colon tissue stained with ARG66199 anti-Vimentin antibody [SQab1721] at 1:1000 dilution.

Antigen retrieval: Heat mediated was performed using Tris/EDTA buffer pH 9.0



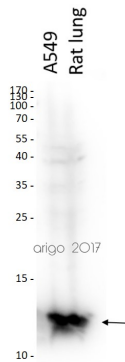
ARG66199 anti-Vimentin antibody [SQab1721] IP image

Immunoprecipitation: 0.4 mg of HeLa cell lysate immunoprecipitated and stained with ARG66199 anti-Vimentin antibody [SQab1721]. 1) IP in HeLa whole cell lysate, 2) Rabbit IgG instead of primary antibody in HeLa whole cell lysate and 3) HeLa whole cell lysate, 10 µg (input).



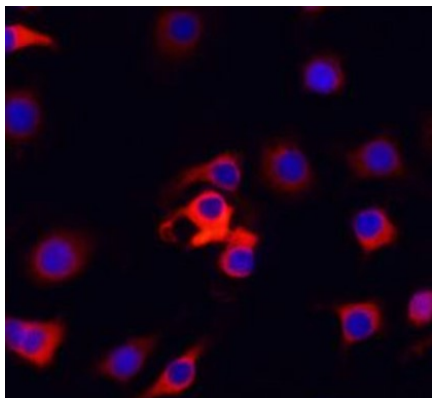
ARG66199 anti-Vimentin antibody [SQab1721] WB image

Western blot: 20 µg of COLO205, HCT116, HT29 (Vimentin unexpression cell lines) and SW620 (Vimentin expression cell line). Cell lysates stained with ARG66199 anti-Vimentin antibody [SQab1721] at 1:1000 dilution.



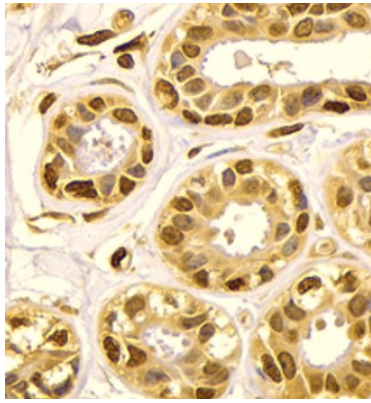
ARG55205 anti-S100A4 antibody WB image

Western blot: 30 µg of A549 and Rat lung lysates stained with ARG55205 anti-S100A4 antibody at 1:500 dilution.



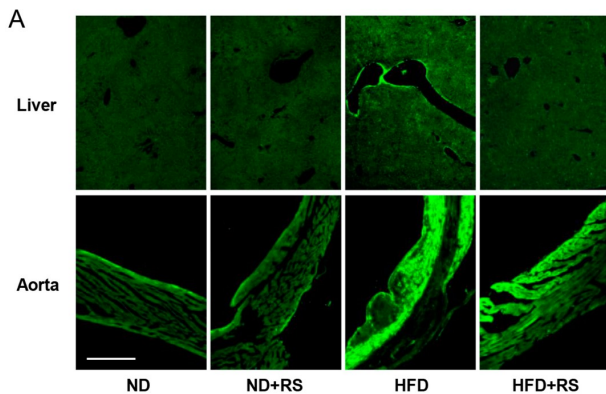
ARG55205 anti-S100A4 antibody ICC/IF image

Immunofluorescence: RAW264.7 cells stained with ARG55205 anti-S100A4 antibody at 1:100 dilution. Blue: DAPI for nuclear staining.



ARG55205 anti-S100A4 antibody IHC-P image

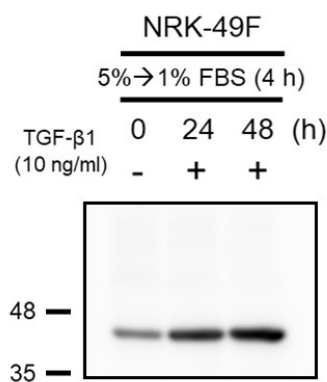
Immunohistochemistry: Paraffin-embedded Human breast stained with ARG55205 anti-S100A4 antibody at 1:100 dilution.



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

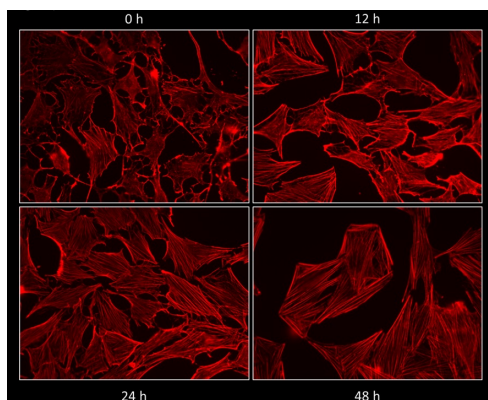
Immunohistochemistry: Mouse liver and Mouse aorta stained with ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] at 1:100 dilution.

From Masahiro Terasawa et al. Cells (2023), [doi: 10.3390/cells12222666](https://doi.org/10.3390/cells12222666), Fig. 2A.



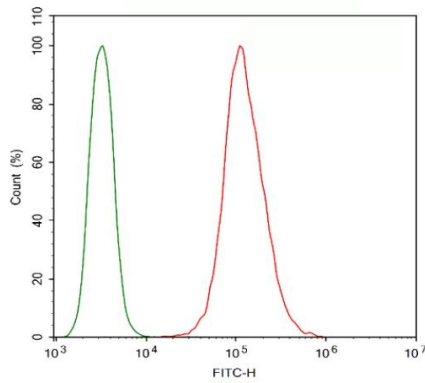
ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] WB image

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.



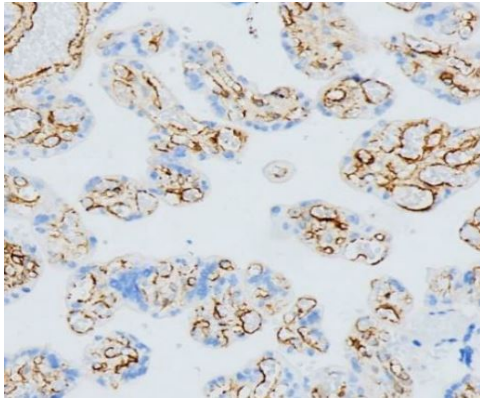
ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108] ICC/IF image

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.



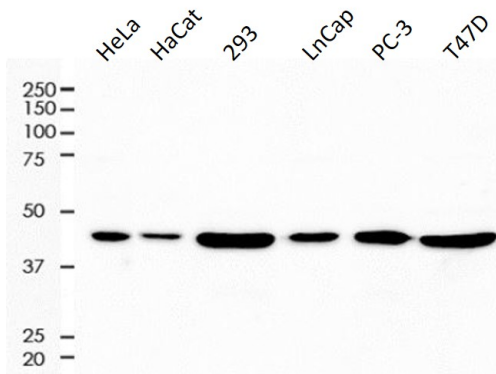
**ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]
FACS image**

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.



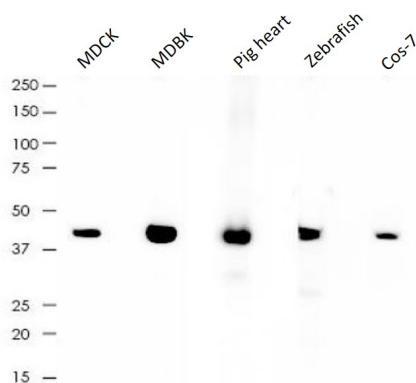
**ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]
IHC-P image**

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).



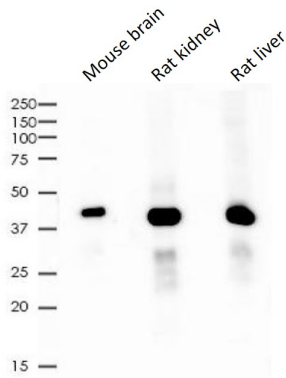
**ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]
WB image**

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.



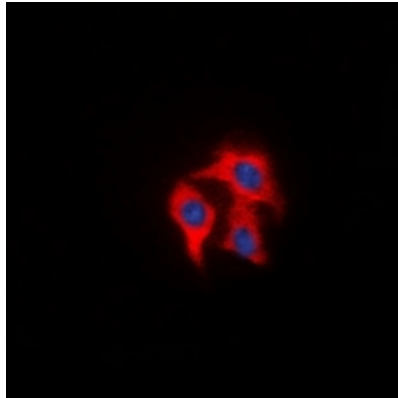
**ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]
WB image**

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.



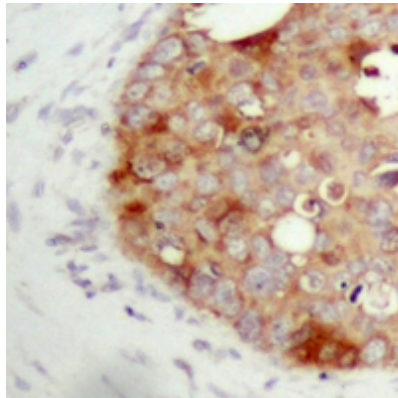
**ARG66381 anti-alpha smooth muscle Actin antibody [SQab18108]
WB image**

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.



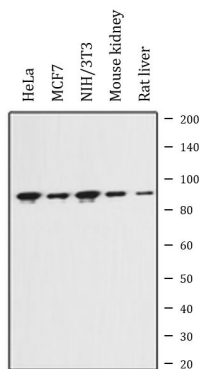
**ARG66701 anti-FAP / Fibroblast activation protein antibody ICC/IF
image**

Immunofluorescence: Formalin-fixed HeLa cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were stained with ARG66701 anti-FAP / Fibroblast activation protein antibody (red) in 3% BSA-PBS and incubated overnight at 4°C. DAPI (blue) for nuclear staining.



**ARG66701 anti-FAP / Fibroblast activation protein antibody IHC-P
image**

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human prostate cancer tissue. Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). The tissue section was stained with ARG66701 anti-FAP / Fibroblast activation protein antibody at room temperature. The section was counterstained with haematoxylin and mounted with DPX.



**ARG66701 anti-FAP / Fibroblast activation protein antibody WB
image**

Western blot: HeLa, MCF7, NIH/3T3, Mouse kidney and Rat liver lysates stained with ARG66701 anti-FAP / Fibroblast activation protein antibody.