

ARG30323 Inflammation Antibody Panel

Package: 1 kit
Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG56509	anti-iNOS antibody	Rabbit pAb	Hu, Ms, Rat, Mamm	ICC/IF, IHC-Fr, IHC-P, IP, WB	50 µl
ARG56491	anti-COX2 antibody	Rabbit pAb	Hu, Ms, Rat, Gpig, Mk, Rb, Sheep	ICC/IF, IHC-P, WB	50 µl
ARG51518	anti-NFkB p65 phospho (Ser536) antibody	Rabbit pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	20 µl
ARG65683	anti-beta Actin antibody	Rabbit pAb	Hu, Ms, Rat, Rb, Sheep	IHC-P, WB	20 µg
ARG65351	Goat anti-Rabbit IgG antibody (HRP)	Goat pAb	Rb	ELISA, IHC-P, WB	50 µl

Summary

Product Description Inflammation Antibody Panel is an all-in-one solution to make inflammation research easy and economic. It is ideal for studying inflammation in cultured cells. This antibody panel comprises the antibodies against key inflammatory mediators/markers iNOS and COX-2 and antibody against Ser536-phosphorylated NFkB p65 that is an NFkB activation marker in response to either LPS- or TNF alpha-induced inflammation. Moreover, the most suitable loading control beta-Actin antibody and the compatible secondary antibody are included in this panel. All the antibodies in this panel have excellent performance for not only WB but also more applications on multiple species.

Related news:
[Inflammation antibody panels are released](#)
[Exploring Antiviral Immune Response](#)

Target Name Inflammation

Alternate Names Inflammation antibody; NFkB p65 phospho (Ser536) antibody; COX2 antibody; iNOS antibody; beta Actin antibody

Properties

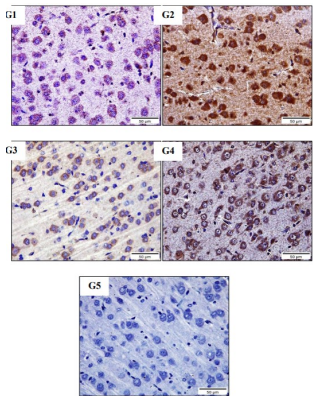
Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should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

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

Bioinformation

Gene Full Name Antibody Panel for Inflammation

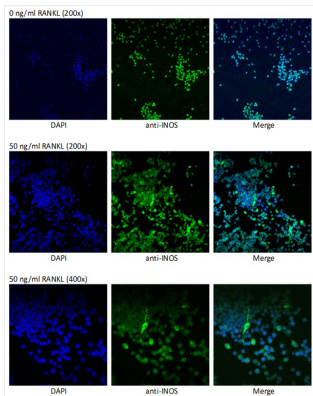
Images



ARG56509 anti-iNOS antibody IHC-P image

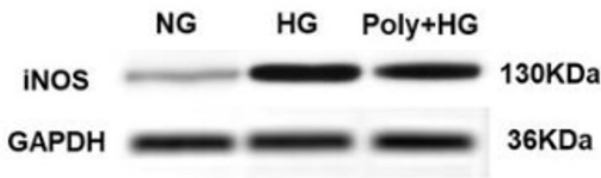
Immunohistochemistry: Rat Brain stained with ARG56509 anti-iNOS antibody at 1:100 dilution.

From Abrar Roshdy Abouelkeir et al. European Chemical Bulletin,(2023) [doi: 10.31838/ecb/2023.12.1.470](https://doi.org/10.31838/ecb/2023.12.1.470), Fig. 6.



ARG56509 anti-iNOS antibody ICC/IF image (Customer's Feedback)

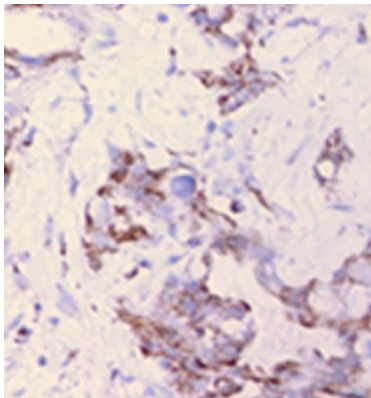
Immunofluorescence: RAW264.7 cells were fixed with 4% paraformaldehyde for 15 min at RT, permeabilized with 0.1% Triton X-100 then blocked with 2% albumin for 60 min at RT. Cells were stained with ARG56509 anti-iNOS antibody (green) at 4°C. DAPI (blue) was used as the nuclear counter stain.



ARG56509 anti-iNOS antibody WB image

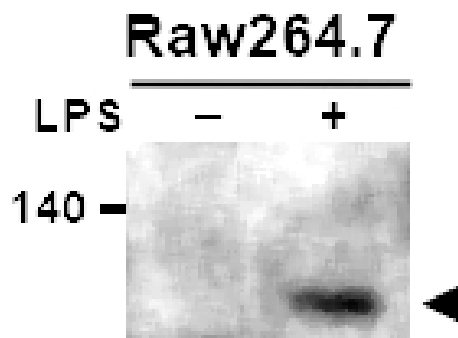
Western blot: Rat Aortic stained with ARG56509 anti-iNOS antibody at 1:1000 dilution.

From Wahid Shah et al. Sci Rep. (2023), [doi: 10.1038/s41598-023-43786-4](https://doi.org/10.1038/s41598-023-43786-4), Fig. 2. C.



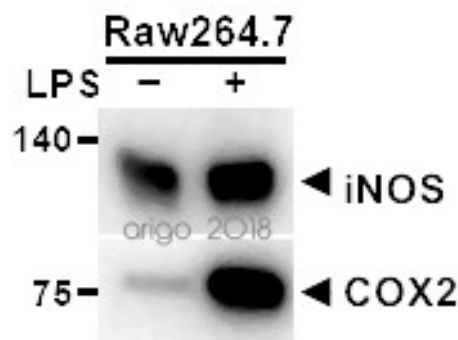
ARG56509 anti-iNOS antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human pancreatic ductal adenocarcinoma stained with ARG56509 anti-iNOS antibody.



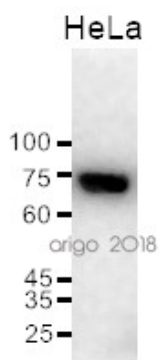
ARG56509 anti-iNOS antibody WB image

Western blot: Raw264.7 cells untreated or treated with LPS. 20 µg of cell lysates stained with ARG56509 anti-iNOS antibody at 1:400 dilution.



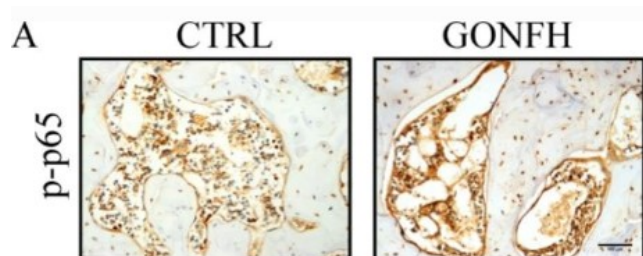
ARG56491 anti-COX2 antibody WB image

Western blot: 20 µg of Raw264.7 cells untreated or treated with LPS. The blots were stained with ARG55060 anti-iNOS antibody at 1:500 dilution and ARG56491 anti-COX2 antibody at 1:200 dilution.



ARG56491 anti-COX2 antibody WB image

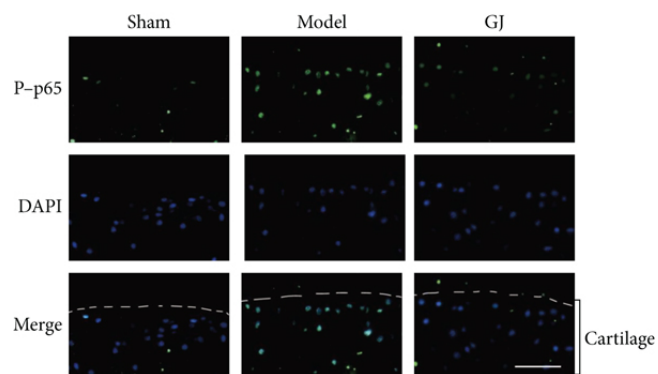
Western blot: 20 µg of HeLa cell lysate stained with ARG56491 anti-COX2 antibody at 1:200 dilution.



ARG51518 anti-NFkB p65 phospho (Ser536) antibody IHC-P image

Immunohistochemistry: Rat femoral head stained with ARG51518 anti-NFkB p65 phospho (Ser536) antibody at 1:300 dilution.

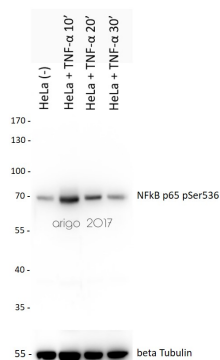
From Huihui Xu et al. Apoptosis. (2023), [doi: 10.1007/s10495-023-01860-2](https://doi.org/10.1007/s10495-023-01860-2), Fig. 6A.



ARG51518 anti-NFkB p65 phospho (Ser536) antibody IHC-P image

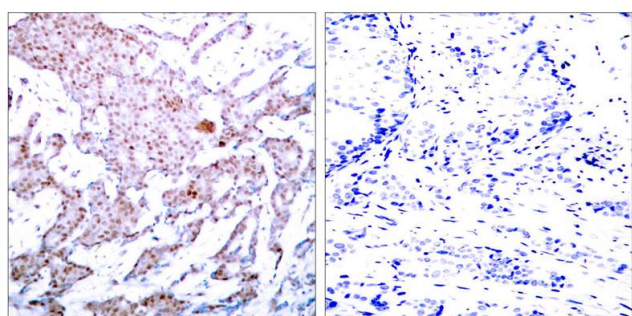
Immunohistochemistry: Mouse tibial cartilage stained with ARG51518 anti-NFkB p65 phospho (Ser536) antibody.

From Congzi Wu et al. Biomed Res Int. (2022), [doi: 10.1155/2022/9230784](https://doi.org/10.1155/2022/9230784), Fig. 6. c.



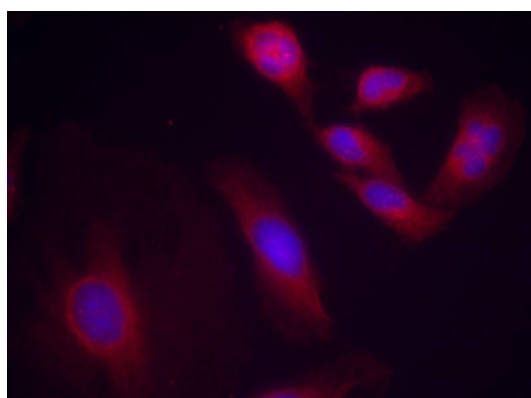
ARG51518 anti-NFkB p65 phospho (Ser536) antibody WB image

Western blot: 20 µg of HeLa cells untreated or treated with TNF-alpha at 10, 20 or 30 min. The blots were stained with ARG51518 anti-NFkB p65 phospho (Ser536) antibody at 1:500 dilution.



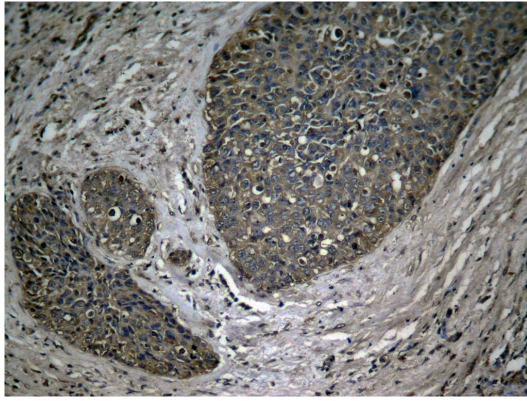
ARG51518 anti-NFkB p65 phospho (Ser536) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast carcinoma tissue stained with ARG51518 anti-NFkB p65 phospho (Ser536) antibody (left) or the same antibody preincubated with blocking peptide (right).



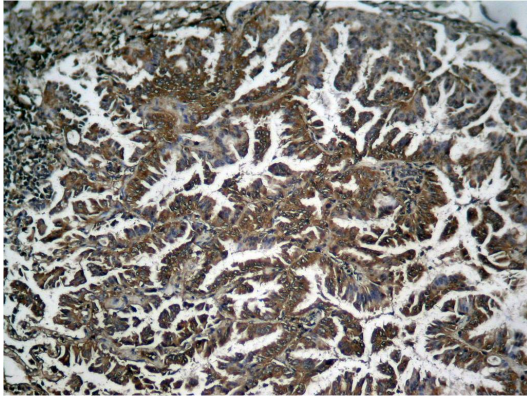
ARG51518 anti-NFkB p65 phospho (Ser536) antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with ARG51518 anti-NFkB p65 phospho (Ser536) antibody.



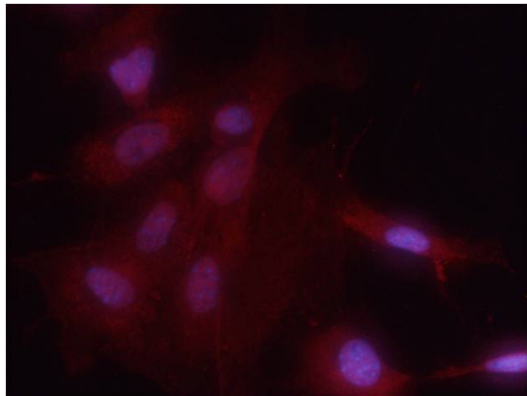
ARG51518 anti-NFkB p65 phospho (Ser536) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast carcinoma tissue stained with ARG51518 anti-NFkB p65 phospho (Ser536) antibody.



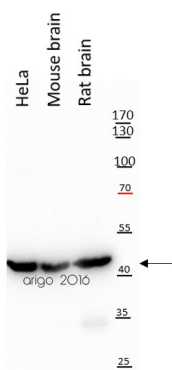
ARG51518 anti-NFkB p65 phospho (Ser536) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human Lung carcinoma tissue stained with ARG51518 anti-NFkB p65 phospho (Ser536) antibody.



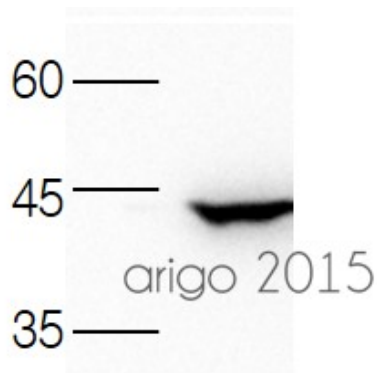
ARG51518 anti-NFkB p65 phospho (Ser536) antibody ICC/IF image

Immunofluorescence: methanol-fixed MEF cells stained with ARG51518 anti-NFkB p65 phospho (Ser536) antibody.



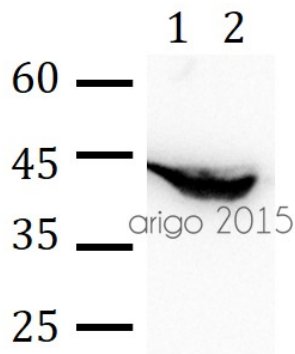
ARG65683 anti-beta Actin antibody WB image

Western blot: 20 µg of HeLa, Mouse brain and Rat brain lysates stained with ARG65683 anti-beta Actin antibody at 1:10000 dilution.



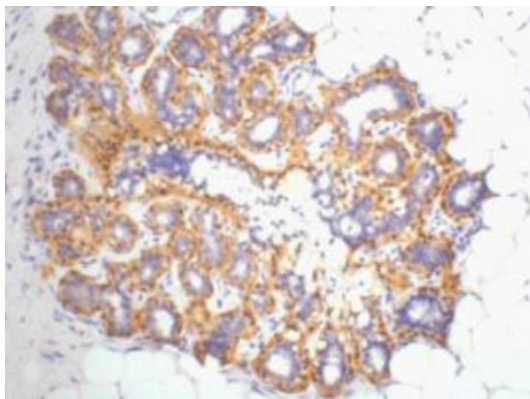
ARG65683 anti-beta Actin antibody WB image

Western blot: 30 µg of 293T lysate stained with ARG65683 anti-beta Actin antibody at 1:3000 dilution.



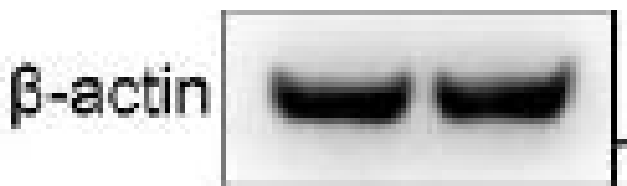
ARG65683 anti-beta Actin antibody WB image

Western blot: 30 µg of 1) Rat brain, and 2) Mouse liver lysate stained with ARG65683 anti-beta Actin antibody at 1:3000 dilution.



ARG65683 anti-beta Actin antibody IHC-P image

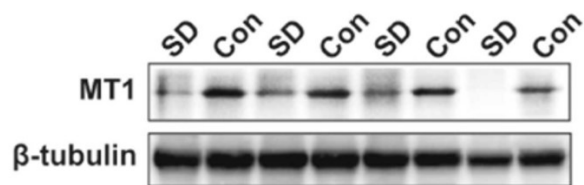
Immunohistochemistry: Human ovary tissue stained with ARG65683 anti-beta Actin antibody at 1:200 dilution.



ARG65683 anti-beta Actin antibody WB image

Western blot: HCT116 cells stained with ARG65683 anti-beta Actin antibody.

From Fang Wang et al. Cell Rep (2023), [doi: 10.1016/j.celrep.2023.113318](https://doi.org/10.1016/j.celrep.2023.113318), Fig. S2. A.



ARG65351 Goat anti-Rabbit IgG antibody (HRP) WB image

Western blot: Rat placental stained with [ARG57589 anti-MTNR1A antibody](#) at 1:1000 dilution, ARG65351 Goat anti-Rabbit IgG antibody (HRP) at 1:5000 dilution.

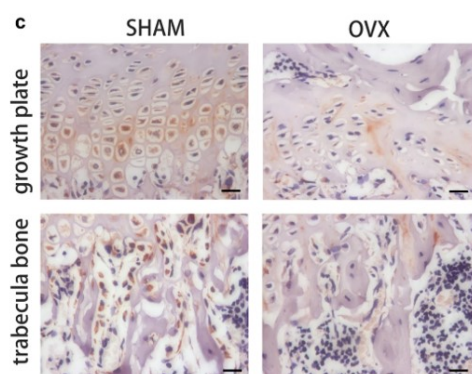
From Jinzhi Li et al. J Reprod Immunol. (2023), [doi: 10.1016/j.jri.2023.104166](#), Fig. 2.B.



ARG65351 Goat anti-Rabbit IgG antibody (HRP) WB image

Western blot: Mouse retina stained with [ARG65693 anti-alpha Tubulin antibody](#) and ARG65351 Goat anti-Rabbit IgG antibody (HRP)

From Xiaoyuan Ye et al. Mol Ther Nucleic Acids. (2024), [doi: 10.1016/j.omtn.2024.102209](#), Fig. 5.D.



ARG65351 Goat anti-Rabbit IgG antibody (HRP) IHC-P image

From Yu-Qian Song et al. J Mol Med (Berl) (2022), [doi: 10.1007/s00109-021-02165-0](#), Fig. 5.c.