ARG30255
IKB alpha degradation Antibody Panel (IKK alpha, IKK beta, IKB alpha)

Package: 1 kit
Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG54650	anti-IKK alpha antibody	Rabbit pAb	Hu	ELISA, ICC/IF, WB	25 µg
ARG54686	anti-IKK beta antibody	Rabbit pAb	Hu	ELISA, ICC/IF, WB	25 µg
ARG54710	anti-IKB alpha antibody	Rabbit pAb	Hu, Ms, Rat	WB	50 µl
ARG65351	Goat anti-Rabbit IgG antibody (HRP)	Goat pAb	Rb	ELISA, IHC-P, WB	50 µl

Summary

Product Description	Rel or NF-kappaB (NF-kB) proteins comprise a family of structurally-related eukaryotic transcription factors that are involved in the control of a large number of normal cellular and organismal processes, such as immune and inflammatory responses, developmental processes, cellular growth, and apoptosis. Once activated, IκB proteins are phosphorylated by IKKα and IKKβ, leading to the degradation of IκB proteins and nuclear translocation of NF-κB proteins. Hence, up-regulation of phospho-IKKα, phospho-IKKβ and down-regulation of IkB alpha is often associated with the activation of NF-kB downstream signaling pathway. Hayden and Ghosh. (2012) Genes and Dev 26: 203-234 Baeuerle and Henkel. (1994) Ann Rev Immunol 12: 141-179
Target Name	IKB alpha degradation
Alternate Names	IKB alpha degradation antibody; IKK alpha antibody; IKK beta antibody; IKB alpha antibody

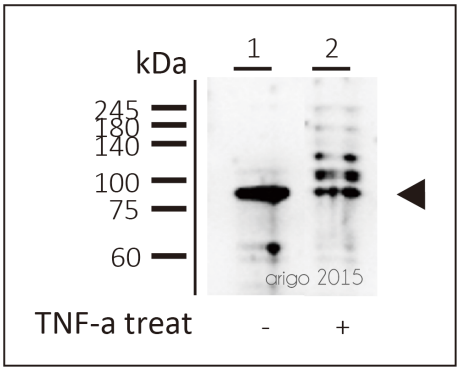
Properties

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

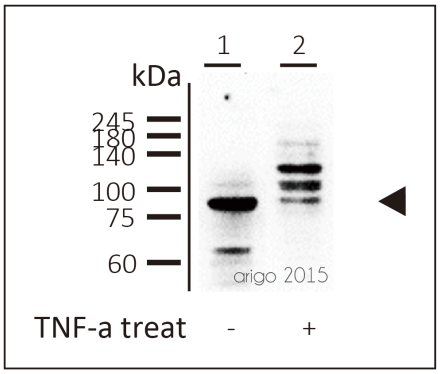
Gene Full Name	Antibody Panel for IKB alpha degradation (IKK alpha, IKK beta, IKB alpha)
Highlight	Related Product: anti-IKK beta antibody; anti-IKB alpha antibody;
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Gene Regulation antibody; Immune System antibody; Signaling Transduction antibody

Images



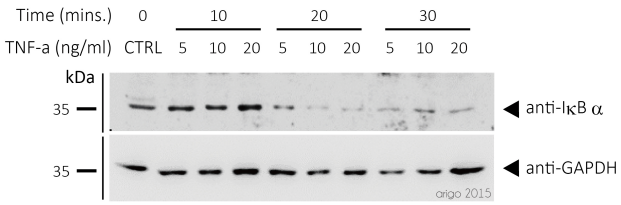
ARG54650 anti-IKK alpha antibody WB image

Western blot: 30 µg of HeLa cell lysates 1) untreated or 2) treated with 5 ng/ml TNF-a for 5 min, stained with ARG54650 anti-IKK alpha antibody at 1:500 dilution.



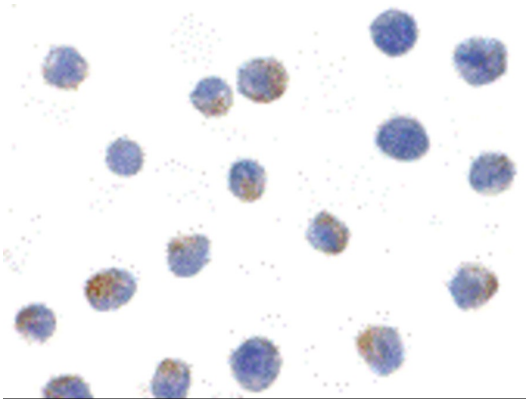
ARG54686 anti-IKK beta antibody WB image

Western blot: 30 µg of HeLa cell lysates 1) untreated or 2) treated with 5 ng/ml TNF-a for 5 min, stained with ARG54686 anti-IKK beta antibody at 1:500 dilution.



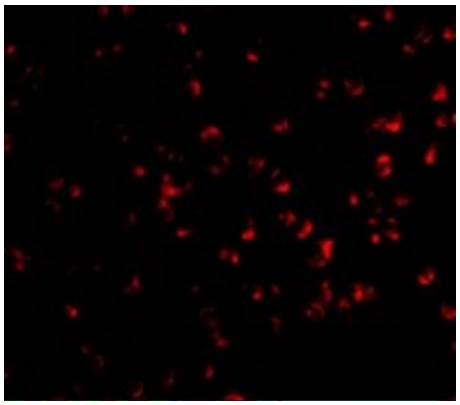
ARG54710 anti-IKB alpha antibody WB image

Western blot: 30 µg of HeLa cells treated with 5, 10 or 20 ng/ml of TNF alpha at 10, 20 or 30 mins. The blots were stained with ARG54710 anti-IKB alpha antibody at 1:500 dilution. The ARG10112 anti-GAPDH antibody [6C5] was used as loading control.



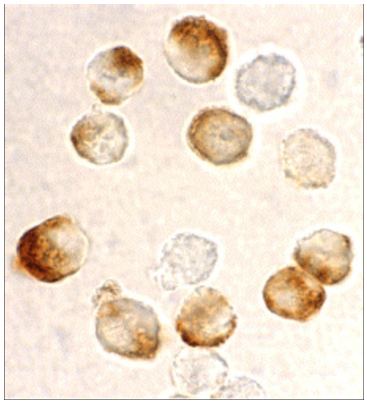
ARG54650 anti-IKK alpha antibody ICC/IF image

Immunocytochemistry: Jurkat cells stained with ARG54650 anti-IKK alpha antibody at 1µg/ml.



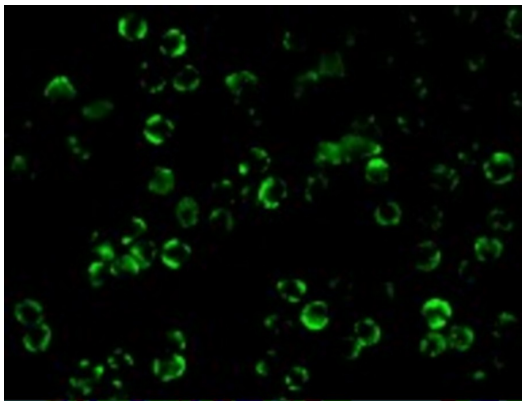
ARG54650 anti-IKK alpha antibody ICC/IF image

Immunofluorescence: Jurkat cells stained with ARG54650 anti-IKK alpha antibody at 10 µg/ml.



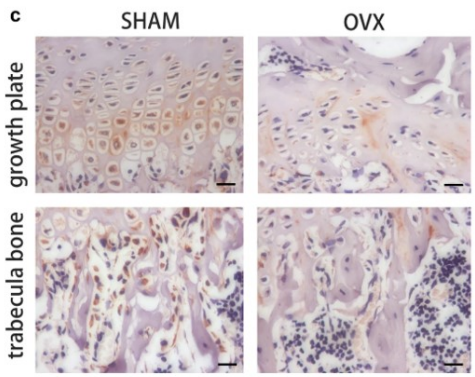
ARG54686 anti-IKK beta antibody ICC/IF image

Immunocytochemistry: HeLa cells stained with ARG54686 anti-IKK beta antibody at 10 µg/ml.



ARG54686 anti-IKK beta antibody ICC/IF image

Immunofluorescence: Hela cells stained with ARG54686 anti-IKK beta antibody at 10 µg/ml.



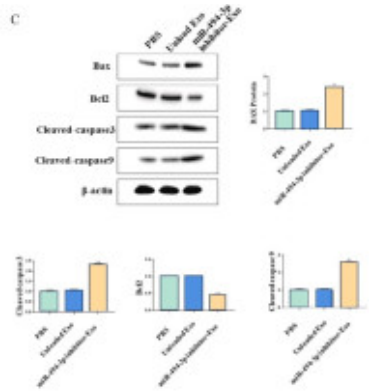
ARG65351 Goat anti-Rabbit IgG antibody (HRP) IHC-P image

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

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

Western blot: HK2 stained with ARG66421 anti-CXCL12 / SDF1 antibody [SQab18123] and ARG10112 anti-GAPDH antibody [6C5] and secondary antibody used ARG65351 Goat anti-Rabbit IgG antibody (HRP).

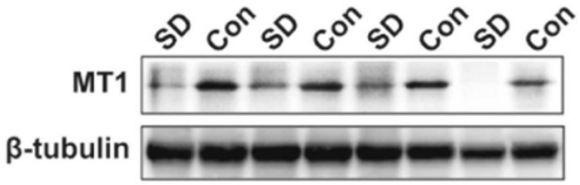
From Zhou Y et al. Central European Journal of Immunology (2022), doi: 10.5114/ceji.2022.115628, Fig. 2. E.



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

Western blot: Gastric cancer cells stained with ARG66247 anti-Bax antibody, ARG55188 anti-Bcl 2 antibody, ARG57512 anti-Caspase 3 (cleaved) antibody and ARG62346 anti-beta Actin antibody [BA3R]. Secondary Antibody stained with ARG65351 Goat anti-Rabbit IgG antibody (HRP).

From Limin Zhang et al. Heliyon (2024), doi: 10.1016/j.heliyon.2024.e30803, Fig. 4. C.



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.