

ARG30353 Phospho IKB alpha Antibody Duo (Total, pS32 / 36)

Package: 1 pair
Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG51651	anti- IKB alpha phospho (Ser32 / Ser36) antibody	Rabbit pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	50 μl
ARG40630	anti- IKB alpha antibody	Rabbit pAb	Hu, Ms, Rat	ICC/IF, IHC-P, IP, WB	50 μl

Summary

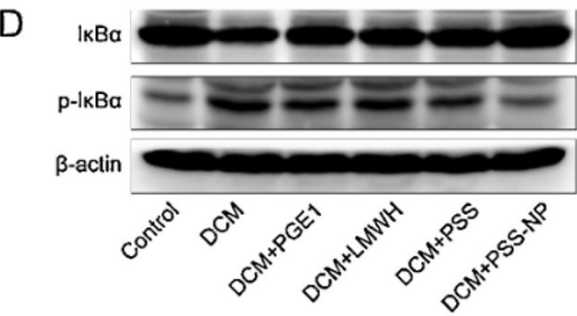
Product Description	$\text{IKB-}\alpha$ inhibits the activity of dimeric NF-kappa-B / REL complexes by trapping REL dimers in the cytoplasm through masking of their nuclear localization signals. On cellular stimulation by immune and proinflammatory responses, triggers $\text{IKB-}\alpha$ phosphorylated at Ser32 / 36 and promotes $\text{IKB-}\alpha$ ubiquitination and degradation, enabling the dimeric NFkB to translocate to the nucleus and activate transcription. ARG30053 $\text{IKB-}\alpha$ phospho Duos (Total, pS32 / 36), includes an antibody reacts total $\text{IKB-}\alpha$ protein and an antibody recognizes $\text{IKB-}\alpha$ only when Ser32 / 36 of $\text{IKB-}\alpha$ is phosphorylated. This antibody Duos could be used in evaluation of total or Ser32 / 36 phosphorylated $\text{IKB-}\alpha$ protein in $\text{IKB-}\alpha$ / NFkB signaling and $\text{IKB-}\alpha$ / NFkB regulation studies.
Target Name	Phospho IKB alpha
Alternate Names	Phospho nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha (IKB alpha) Antibody Duo (Total, pS32/36)

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

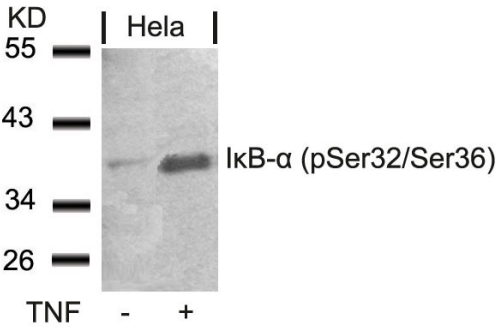
Background	Phospho IKB alpha Antibody Duo Total, pS32/36 anti Ikb alpha antibody2E10 B11 F6, N terminal 2E10 B11 F6 NF kappa B inhibitor alpha I kappa B alpha Ikb alpha IkappaBalph Major histocompatibility complex enhancer binding protein MAD3 2E10 B11 F6 IKB alpha IKB alpha anti IKB alpha phospho Ser32/Ser36 antibody NFKBIA nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, alpha IKBA MAD3 NFKBI NF kappa B inhibitor alpha I kappa B alpha Ikb alpha IkappaBalph Major histocompatibility complex enhancer binding protein MAD3 IKBA MAD3 NFKBI IKB alpha IKB alpha
------------	---



ARG51651 anti-IκB alpha phospho (Ser32 / Ser36) antibody WB image

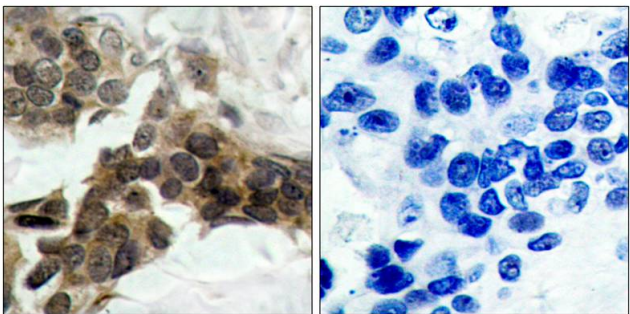
Western blot: Rat cardiac stained with ARG51651 anti-IκB alpha phospho (Ser32 / Ser36) antibody at dilution.

From Yongjun Mao et al. Biomed Pharmacother. (2020), [doi: 10.1016/j.biopha.2019.109280](https://doi.org/10.1016/j.biopha.2019.109280), Fig. 6D.



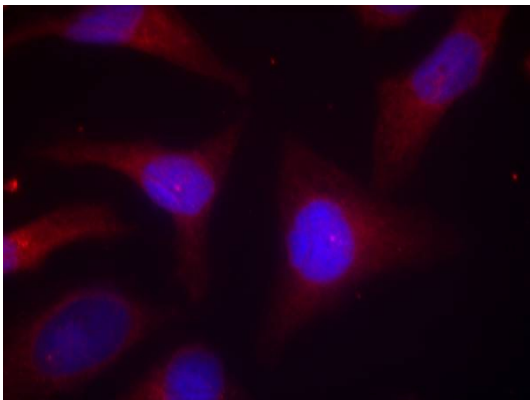
ARG51651 anti-IκB alpha phospho (Ser32 / Ser36) antibody WB image

Western blot: Extracts from HeLa cells untreated or treated with TNF stained with ARG51651 anti-IκB alpha phospho (Ser32 / Ser36) antibody.



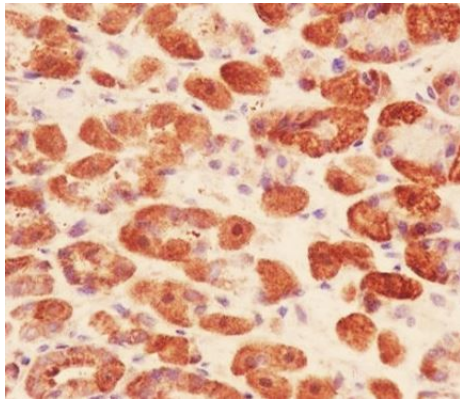
ARG51651 anti-IκB alpha phospho (Ser32 / Ser36) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast carcinoma tissue stained with ARG51651 anti-IκB alpha phospho (Ser32 / Ser36) antibody (left) or the same antibody preincubated with blocking peptide (right).



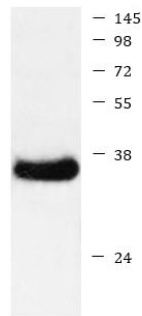
ARG51651 anti-IκB alpha phospho (Ser32 / Ser36) antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with ARG51651 anti-IκB alpha phospho (Ser32 / Ser36) antibody.



ARG40630 anti-IKB alpha antibody IHC-P image

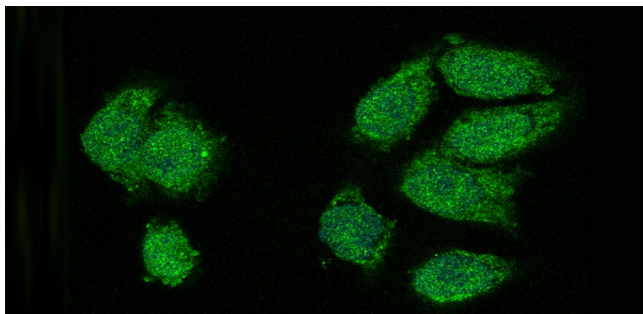
Immunohistochemistry: Paraffin-embedded Mouse stomach tissue stained with ARG40630 anti-IKB alpha antibody.



HeLa

ARG40630 anti-IKB alpha antibody WB image

Western blot: HeLa cell lysate stained with ARG40630 anti-IKB alpha antibody.



ARG40630 anti-IKB alpha antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG40630 anti-IKB alpha antibody.