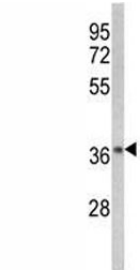
IkB alpha Antibody (F50935)

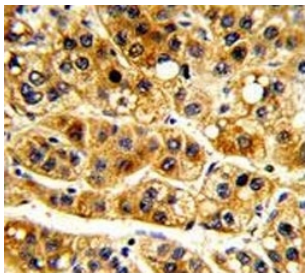
Catalog No.	Formulation	Size
F50935-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50935-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

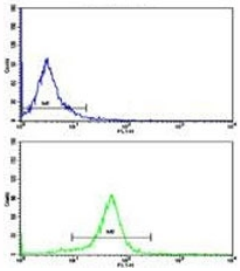
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Pig
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P25963
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100 Flow Cytometry: 1:10-1:50 Immunofluorescence: 1:10-1:50
Limitations	This IkB alpha antibody is available for research use only.



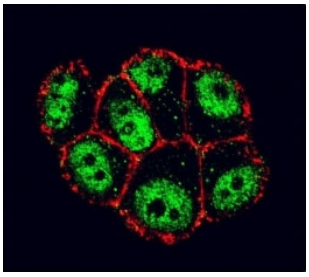
IkB alpha Antibody HeLa WB. Western blot analysis of NFKBIA/ IkB alpha in HeLa lysate.



IkB alpha Antibody Hepatocarcinoma IHC. Immunohistochemistry analysis of FFPE human hepatocarcinoma with IkB alpha antibody.



IkB alpha Antibody HeLa FACS. Flow cytometric analysis of HeLa cells using IkB alpha antibody (bottom histogram) compared to a negative control (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



IkB alpha Antibody ZR-75-1 IF. Confocal immunofluorescent analysis of IkB alpha antibody with ZR-75-1 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red).

Description

NFKB1 or NFKB2 is bound to REL, RELA, or RELB to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA or NFKBIB), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, IKBKB) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T; R is an A or G purine; and Y is a C or T pyrimidine).

Explore additional epithelial tumor and cancer-associated biomarkers on our Cancer Antibodies page, including antibodies targeting gastrointestinal malignancies, tight junction proteins, and tumor-associated epithelial signaling pathways.

Application Notes

Titration of the IkB alpha antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 12-41 from the human protein was used as the immunogen for this IkB alpha antibody.

Storage

Aliquot the IkB alpha antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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