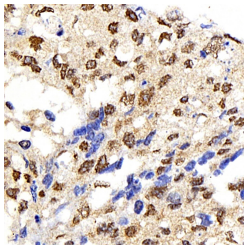


IκB alpha Polyclonal Antibody

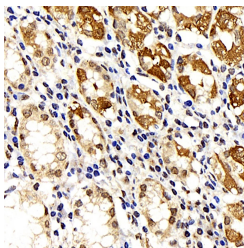
Catalog No.	E-AB-70089	Reactivity	H
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	IHC	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

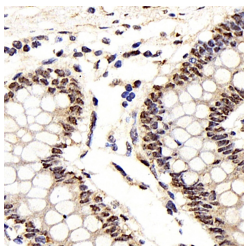
Images



Immunohistochemistry analysis of paraffin-embedded human lung cancer using IκB alpha Polyclonal Antibody at dilution of 1:500.



Immunohistochemistry analysis of paraffin-embedded human stomach cancer using IκB alpha Polyclonal Antibody at dilution of 1:500.



Immunohistochemistry analysis of paraffin-embedded human colon cancer using IκB alpha Polyclonal Antibody at dilution of 1:500.

Immunogen Information

Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse IκBα
Swissprot	P25963,Q9Z1E3
Synonyms	NFKBIA, IKBA, MAD-3, NFKBI, NFKB inhibitor alpha

Product Information

Buffer	PBS with 0.02% sodium azide, 1% BSA and 50% glycerol, pH7.4
Purify	Affinity purification
Dilution	IHC 1:200-1:800

Background

Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha (NFKBIA, synonyms: IKBA, MAD-3, NFKBI). 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, or 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.

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Applications: WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.