

IκB alpha Polyclonal Antibody

Catalog Number: E-AB-70089

1 Publications

 **DIA-AN**[®]
by Elabscience

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

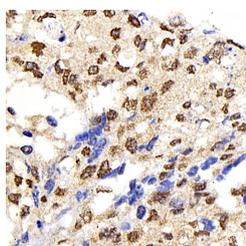
Description

Reactivity	Human
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse IκBα
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4

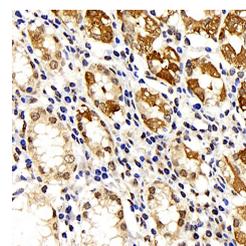
Applications Recommended Dilution

IHC	1:200-1:800
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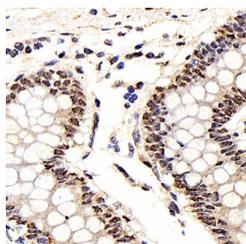
Data



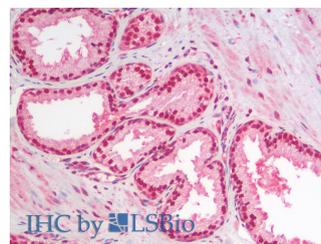
Immunohistochemistry analysis of paraffin-embedded human lung cancer using IκB alpha Polyclonal Antibody at dilution of 1:500.



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.



Immunohistochemistry analysis of paraffin-embedded Human Prostate using IκB alpha Polyclonal Antibody (Elabscience® Product Detected by Lifespan).

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

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

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destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFκB 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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