

NFKBIA / IKB Alpha / IKBA Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11538**Specification**

NFKBIA / IKB Alpha / IKBA Antibody (C-Terminus) - Product Information

Application	IHC
Primary Accession	P25963
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36kDa KDa

NFKBIA / IKB Alpha / IKBA Antibody (C-Terminus) - Additional Information**Gene ID** 4792**Other Names**

NF-kappa-B inhibitor alpha, I-kappa-B-alpha, Ikb-alpha, IkappaBalpha, Major histocompatibility complex enhancer-binding protein MAD3, NFKBIA, IKBA, MAD3, NFKBI

Target/Specificity

IkBα peptide corresponding to a region near the C-terminus of the human protein conjugated to Keyhole Limpet Hemocyanin (KLH).

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

NFKBIA / IKB Alpha / IKBA Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

NFKBIA / IKB Alpha / IKBA Antibody (C-Terminus) - Protein Information**Name** NFKBIA**Synonyms** IKBA, MAD3, NFKBI**Function**

Inhibits the activity of dimeric NF-kappa-B/REL complexes by trapping REL (RELA/p65 and NFKB1/p50) dimers in the cytoplasm by masking their nuclear localization signals (PubMed: [1493333](http://www.uniprot.org/citations/1493333), PubMed: [7479976](http://www.uniprot.org/citations/7479976), PubMed: [36651806](http://www.uniprot.org/citations/36651806)). On cellular stimulation by immune and pro-inflammatory responses, becomes phosphorylated promoting ubiquitination and degradation, enabling the dimeric RELA to translocate to the nucleus and activate transcription (PubMed: [7796813](http://www.uniprot.org/citations/7796813), PubMed: [7628694](http://www.uniprot.org/citations/7628694)).

target="_blank">7628694, PubMed:7878466, PubMed:7479976).

Cellular Location

Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the cytoplasm by a nuclear localization signal (NLS) and a CRM1-dependent nuclear export.

Volume

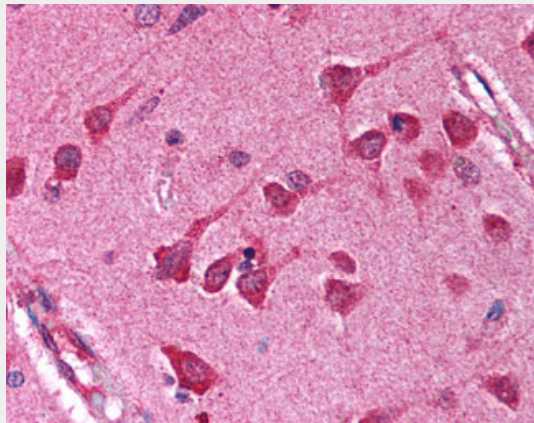
50 µl

NFKBIA / IKB Alpha / IKBA Antibody (C-Terminus) - Protocols

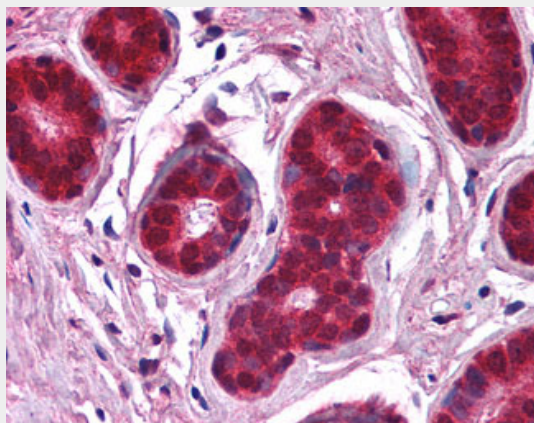
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NFKBIA / IKB Alpha / IKBA Antibody (C-Terminus) - Images



Anti-IKB Alpha antibody IHC of human brain, cortex.



Anti-IKB Alpha antibody IHC of human breast.

NFKBIA / IKB Alpha / IKBA Antibody (C-Terminus) - Background

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, becomes phosphorylated promoting ubiquitination and degradation, enabling the dimeric RELA to translocate to the nucleus and activate transcription.

NFKBIA / IKB Alpha / IKBA Antibody (C-Terminus) - References

Haskill S.,et al.Cell 65:1281-1289(1991).
Jungnickel B.,et al.J. Exp. Med. 191:395-402(2000).
Liu B.,et al.Submitted (APR-2001) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).