

## Phospho-IKB alpha (S36) Antibody

Rabbit mAb Catalog # AP92537

## **Product Information**

Application Primary Accession Reactivity Clonality Other Names	WB, FC <u>P25963</u> Human, Mouse Monoclonal I kappa B alpha; IkappaBalpha; IkB-alpha; IKBA; IKBalpha; MAD3; NF kappa B inhibitor alpha; NFKBI; NFKBIA;
lsotype	Rabbit IgG
Host	Rabbit
Calculated MW	35609

## **Additional Information**

Dilution Purification Immunogen Description	WB 1:500~1:2000 FC 1:50 Affinity-chromatography A synthesized peptide derived from human Phospho-IKB alpha (S36) 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## **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: <u>1493333</u> , PubMed: <u>36651806</u> , PubMed: <u>7479976</u> ). 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: <u>7479976</u> , PubMed: <u>7628694</u> , PubMed: <u>7796813</u> , PubMed: <u>7878466</u> ).
Cellular Location	Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the cytoplasm by a nuclear localization signal (NLS) and a CRM1-dependent nuclear export.



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