

**Phospho-IKB alpha (S36) Antibody**  
Rabbit mAb  
Catalog # AP92537

**Specification**

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**Phospho-IKB alpha (S36) Antibody - Product Information**

Application	WB, FC
Primary Accession	<a href="#">P25963</a>
Clonality	Monoclonal
<b>Other Names</b>	
I kappa B alpha; IkappaBalpha; Ikb-alpha; IKBA; IKBalpa; MAD3; NF kappa B inhibitor alpha; NFKBI; NFKBIA;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	35609 Da

**Phospho-IKB alpha (S36) Antibody - Additional Information**

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Phospho-IKB alpha (S36)
Description	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.

**Phospho-IKB alpha (S36) Antibody - 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:<a href="http://www.uniprot.org/citations/1493333" target="\_blank">1493333</a>, PubMed:<a href="http://www.uniprot.org/citations/36651806" target="\_blank">36651806</a>, PubMed:<a href="http://www.uniprot.org/citations/36651806" target="\_blank">36651806</a>)

href="http://www.uniprot.org/citations/7479976" target="\_blank">7479976</a>). 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:<a href="http://www.uniprot.org/citations/7479976" target="\_blank">7479976</a>, PubMed:<a href="http://www.uniprot.org/citations/7628694" target="\_blank">7628694</a>, PubMed:<a href="http://www.uniprot.org/citations/7796813" target="\_blank">7796813</a>, PubMed:<a href="http://www.uniprot.org/citations/7878466" target="\_blank">7878466</a>).

### Cellular Location

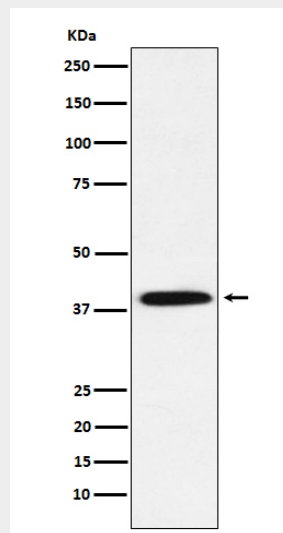
Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the cytoplasm by a nuclear localization signal (NLS) and a CRM1-dependent nuclear export.

### Phospho-IKB alpha (S36) Antibody - 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](#)

### Phospho-IKB alpha (S36) Antibody - Images



Western blot analysis of Phospho-IKB alpha (S36) expression in HeLa cell lysate treated with Calyculin A.