

# Phospho-IKB alpha (Y42) Antibody

Rabbit mAb

Catalog # AP93266

## Product Information

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P25963</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	IKBA; IKBalpha; MAD3; NFKBI; NFKBIA;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	35609

## Additional Information

<b>Dilution</b>	WB 1:500~1:2000
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human Phospho-IKB alpha (Y42)
<b>Description</b>	Inhibits the activity of dimeric NF-kappa-B/REL complexes by trapping REL dimers in the cytoplasm through masking of their nuclear localization signals.
<b>Storage Condition and Buffer</b>	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

<b>Name</b>	NFKBIA
<b>Synonyms</b>	IKBA, MAD3, NFKBI
<b>Function</b>	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="#">1493333</a> , PubMed: <a href="#">36651806</a> , PubMed: <a href="#">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="#">7479976</a> , PubMed: <a href="#">7628694</a> , PubMed: <a href="#">7796813</a> , PubMed: <a href="#">7878466</a> ).
<b>Cellular Location</b>	Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the cytoplasm by a nuclear localization signal (NLS) and a CRM1-dependent nuclear export.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.