# Rabbit anti-Human, Mouse IkappaB-alpha (Phospho-Tyr42) Antibody Polyclonal Antibody | anti-NFKBIA antibody

IkappaB-alpha (Phospho-Tyr42) Antibody

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA307927** | **Rabbit** | **Human, Mouse** | **Immunohistochemistry, Western Blot** |

## PRODUCT SYNONYMS

IkappaB-alpha (Phospho-Tyr42) Antibody; Polyclonal Antibody; IkB-a (Phospho-Tyr42) Antibody; IKBA; MAD-3; NFKBI; NFKBIA; anti-NFKBIA antibody

## PRODUCT SPECIFICATIONS

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|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse |
| **Clonality** | Polyclonal |
| **Specificity** | The antibody detects endogenous levels of IkB-a only when phosphorylated at tyrosine 42. |
| **Purity/Purification** | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| **Form/Format** | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Concentration** | 1.0 mg/ml (varies by lot) |
| **Sequence Length** | 317 |
| **Applicable Applications for anti-NFKBIA antibody** | IHC (Immunohistochemistry), WB (Western Blot) |
| **Immunogen Type** | Peptide-KLH |
| **Immunogen Description** | Peptide sequence around phosphorylation site of tyrosine 42 (E-E-Y(p)-E-Q) derived from Human IkB-a |
| **Modification** | Phospho |
| **Target Name** | IkB-a |
| **Preparation and Storage** | Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use. |

## IMAGES

**IHC (Immunohiostchemistry)**
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IkB-a(phospho-Tyr42) (AAA307927

**WB (Western Blot)**
Western blot analysis of extract from Hela cells untreated or treated with serum using IkB-a(Phospho-Tyr42) antibody (AAA307927

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-NFKBIA antibody** | 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 tranlocate to the nucleus and activate transcription. |
| **Product Categories/Family for anti-NFKBIA antibody** | Phospho-specific Ab |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 10092619 |
| **NCBI GeneID** | 4792 |
| **NCBI Accession #** | NP_065390.1 |
| **NCBI GenBank Nucleotide #** | NM_020529.2 |
| **UniProt Accession #** | P25963; B2R8L6 |
| **Molecular Weight** | Predicted MW: 38kD |
| **NCBI Official Full Name** | NF-kappa-B inhibitor alpha |
| **NCBI Official Synonym Full Names** | nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha |
| **NCBI Official Symbol** | NFKBIA |
| **NCBI Official Synonym Symbols** | IKBA; MAD-3; NFKBI |
| **NCBI Protein Information** | NF-kappa-B inhibitor alpha |
| **UniProt Protein Name** | NF-kappa-B inhibitor alpha |
| **UniProt Gene Name** | **NFKBIA** |
| **UniProt Synonym Gene Names** | IKBA; MAD3; NFKBI; IkB-alpha; IkappaBalpha |
| **UniProt Entry Name** | IKBA_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/ikappab-alpha-phospho-tyr42-antibody-antibody-immunohistochemistry-western-blot-elisa/307927