

# IκB-α (Phospho-Tyr42) Conjugated Antibody

Catalog No: #C11162

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Package Size: #C11162-AF350 100ul #C11162-AF405 100ul #C11162-AF488 100ul

#C11162-AF555 100ul #C11162-AF594 100ul #C11162-AF647 100ul

#C11162-AF680 100ul #C11162-AF750 100ul #C11162-Biotin 100ul

## Description

|                       |                                                                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | IκB-α (Phospho-Tyr42)<br>Conjugated Antibody                                                                                                                                 |
| Host Species          | Rabbit                                                                                                                                                                       |
| Clonality             | Polyclonal                                                                                                                                                                   |
| Species Reactivity    | Hu Ms                                                                                                                                                                        |
| Specificity           | The antibody detects endogenous levels of IκB-α only when phosphorylated at tyrosine 42.                                                                                     |
| Immunogen Description | Peptide sequence around phosphorylation site of tyrosine 42 (E-E-Y(p)-E-Q) derived from Human IκB-α                                                                          |
| Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750                                                                                                                       |
| Other Names           | IKBA; MAD-3;NFKBI; NFKBIA                                                                                                                                                    |
| Accession No.         | Swiss-Prot#:P25963NCBI Gene ID:4792NCBI mRNA#:NM_020529.2 NCBI Protein#:NP_065390.1                                                                                          |
| Uniprot               | P25963                                                                                                                                                                       |
| GeneID                | 4792;                                                                                                                                                                        |
| Excitation Emission   | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW         | 39                                                                                                                                                                           |
| Formulation           | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide                                                                                  |
| Storage               | Store at 4°C in dark for 6 months                                                                                                                                            |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## Product Description

Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

## 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.

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Note: This product is for in vitro research use only