

## IκB-alpha(Phospho Tyr305) Polyclonal Antibody

### Description

|                                |   |
|--------------------------------|---|
| <b>Product type</b>            | Primary Antibody  |
| <b>Code</b>                    | BT-AP10541  |
| <b>Host</b>                    | Rabbit  |
| <b>Isotype</b>                 | IgG   |
| <b>Size</b>                    | 20ul, 50ul, 100ul   |
| <b>Immunogen</b>               | The antiserum was produced against synthesized peptide derived from human IκappaB-alpha around the phosphorylation site of Tyr305. AA range:268-317   |
| <b>Mol wt</b>                  | 35609   |
| <b>Species reactivity</b>      | Human, Mouse, Rat, Monkey   |
| <b>Clonality</b>               | Polyclonal  |
| <b>Recommended application</b> | WB, IHC-p, IF, ELISA  |
| <b>Concentration</b>           | 1 mg/ml   |
| <b>Full name</b>               | NF-kappa-B inhibitor alpha  |
| <b>Synonyms</b>                | NF-kappa-B inhibitor alpha; NFKBIA; IKBA; MAD3; NFKBI; NF-kappa-B inhibitor alpha; I-kappa-B-alpha; IκB-alpha; IκappaBalphα; Major histocompatibility complex enhancer-binding protein MAD3 |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

This gene encodes a member of the NF-kappa-B inhibitor family, which contain multiple ankrin repeat domains. The encoded protein interacts with REL dimers to inhibit NF-kappa-B/REL complexes which are involved in inflammatory responses. The encoded protein moves between the cytoplasm and the nucleus via a nuclear localization signal and CRM1-mediated nuclear export. Mutations in this gene have been found in ectodermal dysplasia anhidrotic with T-cell immunodeficiency autosomal dominant disease.

### Recommended Dilution

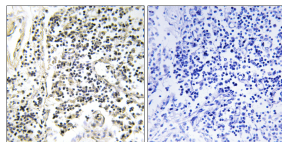
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

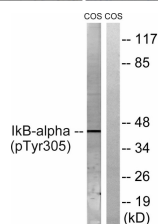
ELISA: 1: 5000

Not yet tested in other applications.

### Images



Immunohistochemistry analysis of paraffin-embedded human lymph node, using IκappaB-alpha (Phospho-Tyr305) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from COS7 cells treated with nocodazole 1ug/ml 16h, using IκappaB-alpha (Phospho-Tyr305) Antibody. The lane on the right is blocked with the phospho peptide.

## Storage

-20°C for 1 year

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