

Datasheet for ABIN710705  
**anti-NFKBIA antibody (pTyr305) (HRP)**



[Go to Product page](#)

## Overview

|                      |                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                        |
| Target:              | NFKBIA                                                                                                                                        |
| Binding Specificity: | pTyr305                                                                                                                                       |
| Reactivity:          | Human, Mouse, Rat                                                                                                                             |
| Host:                | Rabbit                                                                                                                                        |
| Clonality:           | Polyclonal                                                                                                                                    |
| Conjugate:           | This NFKBIA antibody is conjugated to HRP                                                                                                     |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

|                       |                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human IKB alpha around the phosphorylation site of Tyr305 |
| Isotype:              | IgG                                                                                                            |
| Cross-Reactivity:     | Human, Mouse, Rat                                                                                              |
| Predicted Reactivity: | Cow, Sheep, Pig, Rabbit                                                                                        |
| Purification:         | Purified by Protein A.                                                                                         |

## Target Details

|         |        |
|---------|--------|
| Target: | NFKBIA |
|---------|--------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | NFKBIA ( <a href="#">NFKBIA Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Background:       | <p>Synonyms: IKBA, MAD-3, NFKBI, NF-kappa-B inhibitor alpha, I-kappa-B-alpha, IκB-alpha, IκappaBalpha, Major histocompatibility complex enhancer-binding protein MAD3, NFKBIA, MAD3</p> <p>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.</p> |
| Gene ID:          | 4792                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt:          | <a href="#">P25963</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Pathways:         | <a href="#">NF-kappaB Signaling</a> , <a href="#">TCR Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Maintenance of Protein Location</a> , <a href="#">Hepatitis C</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">BCR Signaling</a>                                                                                      |

## Application Details

|                    |                                                     |
|--------------------|-----------------------------------------------------|
| Application Notes: | WB 1:300-5000<br>IHC-P 1:200-400<br>IHC-F 1:100-500 |
| Restrictions:      | For Research Use only                               |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Handling Advice:   | Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish                           |

Handling

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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
|                  | peroxidase.                                                                       |
| Storage:         | -20 °C                                                                            |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date:     | 12 months                                                                         |