

Datasheet for ABIN908226

**anti-NFKBIA antibody (AA 1-120) (AbBy Fluor® 555)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                |
| Target:              | NFKBIA                                                                                                                                                |
| Binding Specificity: | AA 1-120                                                                                                                                              |
| Reactivity:          | Human, Mouse, Rat, Cow, Chicken                                                                                                                       |
| Host:                | Rabbit                                                                                                                                                |
| Clonality:           | Polyclonal                                                                                                                                            |
| Conjugate:           | This NFKBIA antibody is conjugated to AbBy Fluor® 555                                                                                                 |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS) |

## Product Details

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from mouse IKB alpha |
| Isotype:          | IgG                                                           |
| Cross-Reactivity: | Chicken, Cow, Human, Mouse, Rat                               |
| Purification:     | Purified by Protein A.                                        |

## Target Details

|                   |                                                                                   |
|-------------------|-----------------------------------------------------------------------------------|
| Target:           | NFKBIA                                                                            |
| Alternative Name: | NFKBIA/IKB alpha ( <a href="#">NFKBIA Products</a> )                              |
| Background:       | Synonyms: Nfkbj, AI46215, NF-kappa-B inhibitor alpha, I-kappa-B-alpha, Ikb-alpha, |

## Target Details

IkappaBalpha, Nfkbia, Ikba

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.

Gene ID: 18035

UniProt: [Q9Z1E3](#)

Pathways: [NF-kappaB Signaling](#), [TCR Signaling](#), [TLR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Maintenance of Protein Location](#), [Hepatitis C](#), [Protein targeting to Nucleus](#), [Toll-Like Receptors Cascades](#), [BCR Signaling](#)

## Application Details

Application Notes: FCM 1:20-100  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months