

# KD-Validated Anti-NFKBIA Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI1915

## Product Information

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| <b>Application</b>       | WB, FC, ICC                                                                                      |
| <b>Primary Accession</b> | <a href="#">P25963</a>                                                                           |
| <b>Reactivity</b>        | Human, Mouse                                                                                     |
| <b>Clonality</b>         | Monoclonal                                                                                       |
| <b>Isotype</b>           | Mouse IgG1                                                                                       |
| <b>Clone Names</b>       | 24GB5755                                                                                         |
| <b>Calculated MW</b>     | 35609                                                                                            |
| <b>Gene Name</b>         | NFKBIA                                                                                           |
| <b>Aliases</b>           | I-kappa-B-alpha; NFKBI; NFKBIA; NF-kappaB inhibitor alpha; IKBA; IkappaBalphalpha; MAD3; RL/IF-1 |
| <b>Immunogen</b>         | Recombinant protein of human NFKBIA                                                              |

## Additional Information

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| <b>Gene ID</b>     | 4792                                                                                                                                                                |
| <b>Other Names</b> | NF-kappa-B inhibitor alpha, I-kappa-B-alpha, Ikb-alpha, IkappaBalphalpha, Major histocompatibility complex enhancer-binding protein MAD3, NFKBIA, IKBA, MAD3, NFKBI |

## Protein Information

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| <b>Name</b>              | NFKBIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>          | IKBA, MAD3, NFKBI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Function</b>          | Inhibits the activity of dimeric NF-kappa-B/REL complexes by trapping REL (RELA/p65 and NFKB1/p50) dimers in the cytoplasm by masking their nuclear localization signals (PubMed: <a href="#">1493333</a> , PubMed: <a href="#">36651806</a> , PubMed: <a href="#">7479976</a> ). On cellular stimulation by immune and pro-inflammatory responses, becomes phosphorylated promoting ubiquitination and degradation, enabling the dimeric RELA to translocate to the nucleus and activate transcription (PubMed: <a href="#">7479976</a> , PubMed: <a href="#">7628694</a> , PubMed: <a href="#">7796813</a> , PubMed: <a href="#">7878466</a> ). |
| <b>Cellular Location</b> | Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the cytoplasm by a nuclear localization signal (NLS) and a CRM1-dependent nuclear export.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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