



IkB-alpha (N-terminus) Antibody

E2200517**Size** 100ug**Cat code** E2200517**Species Cross-reactivity** H**Key Application** WB: 1/500-1/2000; ELISA: 1/2000-1/5000; IHC: 1/50-1/200**Host** Mouse**Antibody type** Monoclonal antibody**Purified method** Affinity purified**Isotype** null**Molecular Weight** 36kDa

Sensitivity This antibody detects endogenous levels IkB-alpha(N-terminus) and does not cross-react with related proteins.

Immunogen Purified recombinant human IkB-alpha(N-terminus) protein fragments expressed in E.coli.

UniProt Number P25963**GeneBank ID** NM_020529**Subcellular location** Cytoplasm. Nucleus

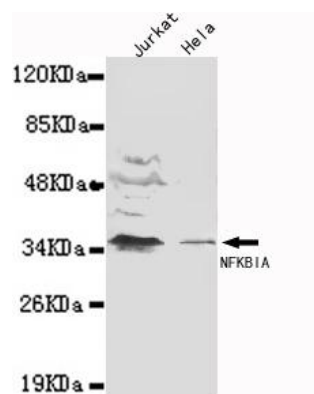
Formulation Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Altername IKBA; MAD-3; NFKBI**Gene_symbol** IKBA; MAD-3; NFKBI

UniPort summary Function 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

Entrez summary 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. [provided by RefSeq, Aug 2011]

For Research Use Only



Western blot detection of IκB-α(N-terminus) antibody in Jurkat&HeLa lysates using IκB-α(N-terminus) antibody (1:1000 diluted). Predicted band size: 36KDa Observed band size: 36KDa.