

## Anti-IkB alpha/NFKBIA Antibody (5M346)

### Product Details

Ig Type:	IgG1
Reactivity:	Human,Rat
Molecular Weight:	Theoretical: 36 kDa. Actual: 39 kDa.
Clone:	5M346
Purification:	Protein A purified

### Applications

#### 1. Sample:

Jurkat (Human) Cell Lysate at 30 µg

Primary: Anti-IkB alpha (TMAB-00927) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 36 kDa

Observed band size: 36 kDa

#### 2. Sample:

Lane 1: HepG2 (Human) Cell Lysate at 30 µg

Lane 2: Hela (Human) Cell Lysate at 30 µg

Lane 3: Siha (Human) Cell Lysate at 30 µg

Primary: Anti-IkB alpha (TMAB-00927) at 1/1000 dilution

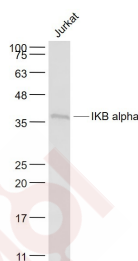
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

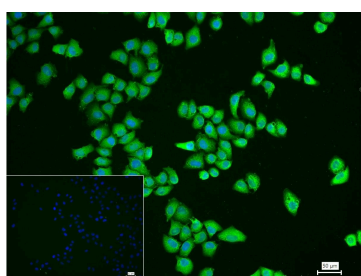
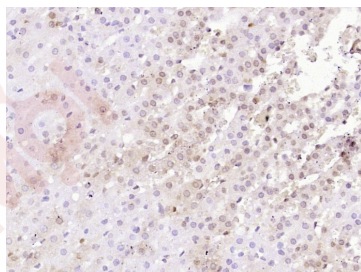
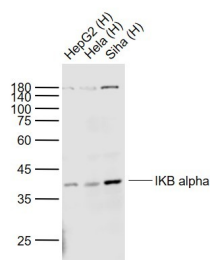
Verified Activity: Predicted band size: 39 kDa

Observed band size: 39 kDa

3. Paraformaldehyde-fixed, paraffin embedded (Rat adrenal gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (IKB alpha) Monoclonal Antibody, Unconjugated (TMAB-00927) at 1:800 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

4. 4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at RT for 20 min; Antibody incubation with (IKB alpha) monoclonal Antibody, unconjugated (TMAB-00927) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green) at 37°C for 90 min, DAPI (blue) was used to stain the cell nucleus. PBS instead of the primary antibody was used as the blank control.





Application: ICC/IF,IF,IHC-Fr,IHC-P,WB

Recommended ICC/IF=1:50-200; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein: human IKB alpha Protein

Antigen Species: Human

Gene ID: 4792

Uniprot ID: P25963

Synonyms: IKBA;Ikb  $\alpha$ ;nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha;nuclear factor of  $\kappa$  light polypeptide gene enhancer in B-cells inhibitor, alpha;nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor,  $\alpha$ ;NFKBI;MAD-3

Biology Area: NFkB pathway,NFkB pathway,TLR Signaling,NFkB Pathway

### Research 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. [provided by RefSeq, Aug 2011]

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481