

Anti-IkB alpha/NFKBIA Antibody (5T563)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5T563
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in: Hela whole cell lysate, HepG2 whole cell lysate, Jurkat whole cell lysate, Raji whole cell lysate, PC3 whole cell lysate, THP-1 whole cell lysate-All lanes: NFKBIA antibody at 0.79µg/ml-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 36 KDa-Observed band size: 36 KDa <p>2. IHC image of TMAH-00815 diluted at 1:79.75 and staining in paraffin-embedded human endometrial cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.</p> <p>3. Immunoprecipitating NFKBIA in HepG2 whole cell lysate</p> <ul style="list-style-type: none">-Lane 1: Rabbit control IgG instead of TMAH-00815 in HepG2 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)-Lane 2: TMAH-00815 (3µg) + HepG2 whole cell lysate (500µg)-Lane 3: HepG2 whole cell lysate (20µg)
Application:	ELISA,IHC,IP,WB
Recommended	WB:1:500-1:5000; IHC:1:50-1:200; IP:1:200-1:1000.

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:	A synthetic peptide: Human NFKBIA
Antigen Species:	Human
Gene ID:	4792
Uniprot ID:	P25963
Synonyms:	IKBA;nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, α ;nuclear factor of κ light polypeptide gene enhancer in B-cells inhibitor, alpha;MAD-3;I κ B α ;nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha;NFKBI
Biology Area:	Signal Transduction

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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