

Anti-Phospho-NFKBIA (Ser32) Antibody (5H611)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5H611
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in A549 whole cell lysate(treated with Calyculin A or not)-All lanes Phospho-NFKBIA antibody at 1.07µg/ml-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 39 KDa <p>2. Immunofluorescence staining of A549 cells with TMAH-00936 at 1:100,counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).</p>
Application:	ELISA, WB, IF
Recommended	WB:1:500-1:5000; IF:1:20-1:200.

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 Phospho-NFKBIA (S32)
Antigen Species:	Human
Gene ID:	4792
Uniprot ID:	P25963
Synonyms:	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, α ;p-NFKBIA (Ser32);p-NFKBIA (S32);nuclear factor of κ light polypeptide gene enhancer in B-cells inhibitor, alpha;NFKBI;IKBA;nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha;IkB α ;MAD-3;NFKBIA (p-Ser32);NFKBIA (p-S32);Phospho-NFKBIA (S32)
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

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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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