

NFKBIA (Phospho-Thr291) Antibody

Catalog No: #SAB667

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Description

Product Name	NFKBIA (Phospho-Thr291) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified from rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Applications	WB
Species Reactivity	Human
Specificity	NFKBIA (Phospho-Thr291) Antibody detects endogenous levels of NFKBIA only when phosphorylated at threonine 291.
Immunogen Description	A synthesized peptide derived from human NFKBIA around the phosphorylation site of T291.
Other Names	NF-kappa-B inhibitor alpha, I-kappa-B-alpha, Ikb-alpha, Ikbalpha
Uniprot	P25963
GeneID	4792
SDS-PAGE MW	36kDa
Concentration	1 mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide.
Storage	Store at -20°C/1 year

Application Details

Western Blot: 1/500 - 1/2000

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.

Note: This product is for in vitro research use only