

For Research Use Only

Phospho-IkB Alpha (Ser32/36) Recombinant antibody



Catalog Number: 82349-1-RR **7 Publications**

Basic Information

Catalog Number: 82349-1-RR	GenBank Accession Number: BC004983	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 4792	CloneNo.: 1G21
Source: Rabbit	UNIPROT ID: P25963	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	
	Calculated MW: 36 kDa	
	Observed MW: 36 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Calyculin A treated HeLa cells, PMA treated HeLa cells
Cited Applications: WB	
Species Specificity: Human	
Cited Species: human, rat, mouse	

Background Information

Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha (NFKBIA, synonyms: IKBA, MAD-3, NFKB1). NFKB1 or NFKB2 is bound to REL, RELA, or RELB to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA or NFKBIB), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, or IKBKB) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime. The antibody also detects the phosphorylated form of the NFKBIA (IkB Alpha). (PMID: 16904979, PMID: 28990531 PMID: 10455908)

Notable Publications

Author	Pubmed ID	Journal	Application
Yue Wang	38452962	Acta Biomater	WB
Yang Zhang	38181912	Int J Biol Macromol	WB
Hao Liu	38159820	J Ethnopharmacol	WB

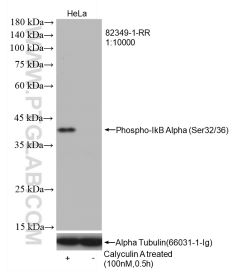
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

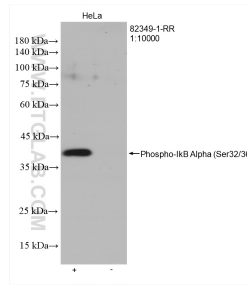
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Selected Validation Data



Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 82349-1-RR (Phospho-IkB Alpha (Ser32/36) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha-tubulin antibody as loading control.



Various lysates were subjected to SDS PAGE followed by western blot with 82349-1-RR (Phospho-IkB Alpha (Ser32/36) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.