

For Research Use Only

Phospho-IkB Alpha (Ser32/36) Recombinant antibody

Catalog Number: 82349-1-RR **41 Publications**



Basic Information

Catalog Number: 82349-1-RR	GenBank Accession Number: BC004983	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4792	CloneNo.: 1G21
Source: Rabbit	UNIPROT ID: P25963	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:1000-1:4000
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, IHC, FC (Intra), ELISA	Positive Controls: WB : Calyculin A treated HeLa cells, Calyculin A treated HSC-T6 cells, Calyculin A treated NIH/3T3 cells, rat liver tissue, mouse liver tissue IHC : human skin cancer tissue,
Cited Applications: WB, IHC, IF	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, rat, pig	
Note-IHC: suggested antigen retrieval with <i>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	

Background Information

Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha (NFKBIA, synonyms: IKBA, MAD-3, NFKBI). 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 GGGRNYYCC 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
Yaoyi Zhang	39900946	NPJ Sci Food	WB
Yuanyuan Zhang	39825194	Inflammation	WB
Yuchien Hsu	39807526	Adv Sci (Weinh)	WB

Storage

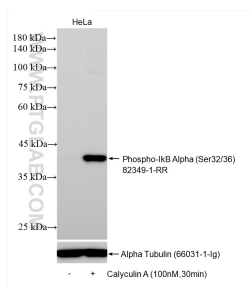
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

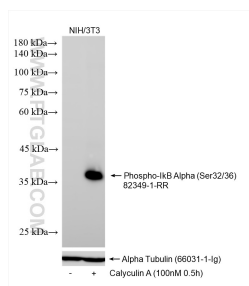
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

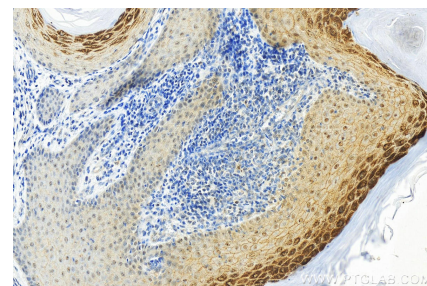
Selected Validation Data



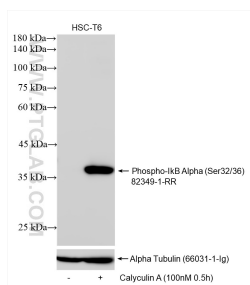
Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 82349-1-RR (Phospho-IkB Alpha (Ser32/36) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as loading control.



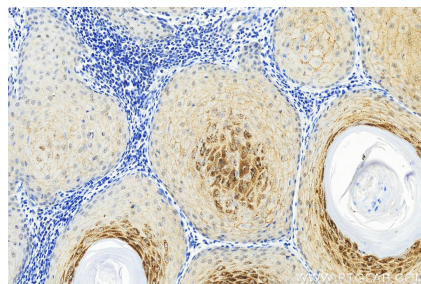
Non-treated and Calyculin A treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 82349-1-RR (Phospho-IkB Alpha (Ser32/36) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as loading control.



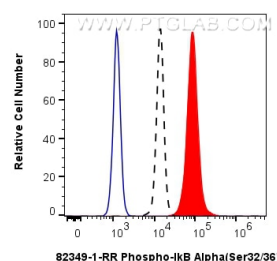
Immunohistochemical analysis of paraffin-embedded skin cancer slide using 82349-1-RR (Phospho-IkB Alpha (Ser32/36) antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Non-treated and Calyculin A treated HSC-T6 cells were subjected to SDS PAGE followed by western blot with 82349-1-RR (Phospho-IkB Alpha (Ser32/36) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as loading control.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 82349-1-RR (Phospho-IkB Alpha (Ser32/36) antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ HeLa cells untreated (dashed lines) or treated with Calyculin A which intracellularly stained with 0.06 ug Phospho-IkB Alpha (Ser32/36) Recombinant antibody (82349-1-RR, Clone:1G21) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.06 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.