

For Research Use Only

# Phospho-IkB Alpha (Ser32/36) Recombinant antibody, PBS Only

Catalog Number: 82349-1-PBS



## Basic Information

### Catalog Number:

82349-1-PBS

### Size:

1mg/ml

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

BC004983

### GeneID (NCBI):

4792

### UNIPROT ID:

P25963

### Full Name:

nuclear factor of kappa light  
polypeptide gene enhancer in B-cells  
inhibitor, alpha

### Calculated MW:

36 kDa

### Observed MW:

36 kDa

### Purification Method:

Protein A purification

### CloneNo.:

1G21

## Applications

### Tested Applications:

WB, IHC, FC (Intra), Indirect ELISA

### Species Specificity:

human, mouse, rat

## 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).

## Storage

### Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

### Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

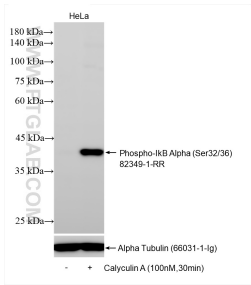
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

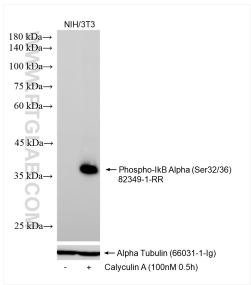
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

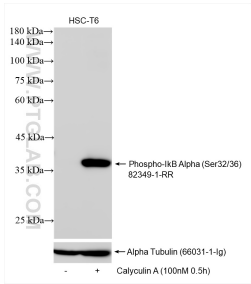
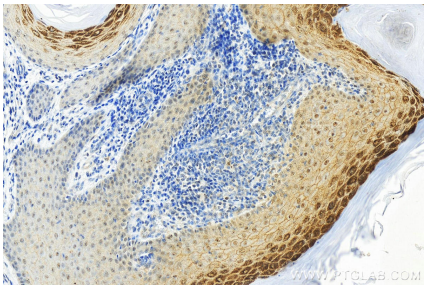
Selected Validation Data



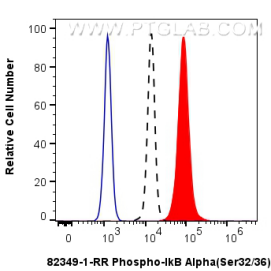
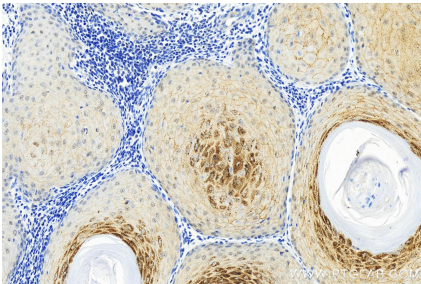
Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 82349-1-RR (Phospho-IkB Alpha (Ser32/36) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as loading control. This data was developed using the same antibody clone with 82349-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 82349-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 82349-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82349-1-PBS in a different storage buffer formulation.

1X10<sup>6</sup> 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. This data was developed