

For Research Use Only

# Phospho-IkB Alpha (Ser32/36) Monoclonal antibody

Catalog Number: 68999-1-Ig



## Basic Information

<b>Catalog Number:</b> 68999-1-Ig	<b>GenBank Accession Number:</b> BC004983	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4792	<b>CloneNo.:</b> 2G8E5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P25963	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG1	<b>Full Name:</b> nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	
	<b>Calculated MW:</b> 36 kDa	
	<b>Observed MW:</b> 36-39 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : PC-3 cells, MCF-7 cells, Calyculin A treated MCF-7 cells, Calyculin A treated PC cells
<b>Species Specificity:</b> human	

## 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 GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime. The antibody also detects the phosphorylated form of the NFKBIA (IkB Alpha).

## Storage

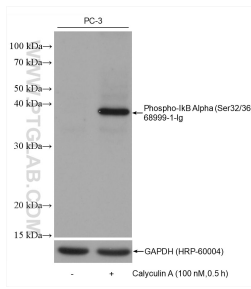
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

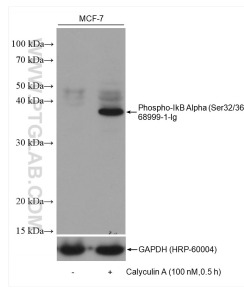
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Untreated PC-3 cells, PC-3 cells (treated with 100 nM Calyculin A for 0.5 hours) were subjected to SDS PAGE followed by western blot with 68999-1-Ig (Phospho-IkB Alpha antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (HRP-60004) antibody as loading control.



Untreated MCF-7 cells, MCF-7 cells (treated with 100 nM Calyculin A for 0.5 hours) were subjected to SDS PAGE followed by western blot with 68999-1-Ig (Phospho-IkB Alpha antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (HRP-60004) antibody as loading control.