

For Research Use Only

# I $\kappa$ B Alpha Monoclonal antibody

Catalog Number: 68999-1-Ig



## Basic Information

Catalog Number:

68999-1-Ig

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

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:

36-39 kDa

Purification Method:

Protein G purification

CloneNo.:

2G8E5

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : PC-3 cells, MCF-7 cells

## Background Information

Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha (NFKB1A, 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 GGGRNNYCC 3-prime or 5-prime HGGARNYYCC 3-prime.

## 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

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

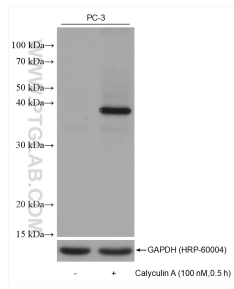
T: 4006900926

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

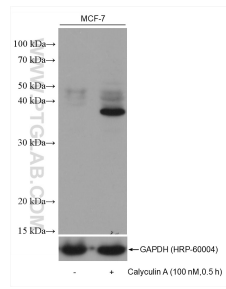
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## Selected Validation Data



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 (NFKBIA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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 (NFKBIA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.