

For Research Use Only

# I $\kappa$ B Alpha Polyclonal antibody, PBS Only

Catalog Number: 51066-1-PBS



## Basic Information

Catalog Number:

51066-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC002601

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:

39 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse

## 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 GGGRNNYCC 3-prime or 5-prime HGGARNYYCC 3-prime.

## 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, pH7.3

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

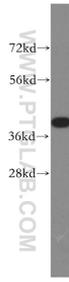
T: 4006900926

E: Proteintech-CN@ptglab.com

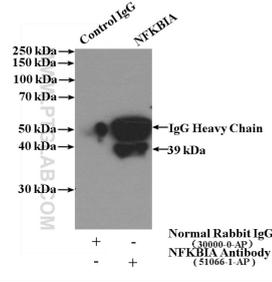
W: ptgcn.com

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

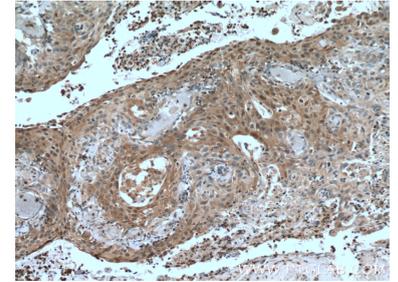
## Selected Validation Data



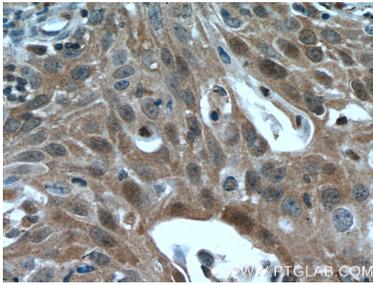
PC-3 cells were subjected to SDS PAGE followed by western blot with 51066-1-AP (I $\kappa$ B alpha antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 51066-1-PBS in a different storage buffer formulation.



IP result of anti-I $\kappa$ B Alpha (IP:51066-1-AP, 4 $\mu$ g; Detection:51066-1-AP 1:1000) with HeLa cells lysate 3200 $\mu$ g. This data was developed using the same antibody clone with 51066-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 51066-1-AP (I $\kappa$ B alpha antibody) at dilution of 1:200 (under 10 $\times$  lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 51066-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 51066-1-AP (I $\kappa$ B alpha antibody) at dilution of 1:200 (under 40 $\times$  lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 51066-1-PBS in a different storage buffer formulation.