

For Research Use Only

IKBKB Monoclonal antibody

Catalog Number: 65036-1-Ig



Basic Information

Catalog Number:

65036-1-Ig

Size:

150ul, Concentration: 667 µg/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

BC006231

GeneID (NCBI):

3551

UNIPROT ID:

O14920

Full Name:

inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta

Calculated MW:

756aa,81 kDa; 256aa,29 kDa

Observed MW:

87 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:20-1:200

Applications

Tested Applications:

IHC, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : bladder carcinoma tissue,

Background Information

IKBKB, also named as IKKB, IKK2, NFKB1KB and IKK-B, belongs to the protein kinase superfamily, Ser/Thr protein kinase family and I-kappa-B kinase subfamily. IKBKB is a Serine kinase that plays an essential role in the NF-kappa-B signaling pathway. It acts as part of the canonical IKK complex in the conventional pathway of NF-kappa-B activation and phosphorylates inhibitors of NF-kappa-B on 2 critical serine residues. In addition to the NF-kappa-B inhibitors, IKBKB phosphorylates several other components of the signaling pathway including NEMO/IKBKG, NF-kappa-B subunits RELA and NFKB1, as well as IKK-related kinases TBK1 and IKBKE. It also phosphorylates other substrates including NCOA3, BCL10 and IRS1. Within the nucleus, IKBKB acts as an adapter protein for NFKBIA degradation in UV-induced NF-kappa-B activation.

Storage

Storage:

Store at 2-8°C.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

*** 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