

For Research Use Only

IKKB Recombinant antibody

Catalog Number: 81347-2-RR



Basic Information

Catalog Number:

81347-2-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8191

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:

80-85 kDa

Purification Method:

Protein A purification

CloneNo.:

250538F11

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB: HepG2 cells, K-562 cells, THP-1 cells, A-673 cells, Jurkat cells, PC-12 cells, NIH/3T3 cells

Background Information

IKKB, also named as IKKB, IKK2, NFKB1 and IKK-B, belongs to the protein kinase superfamily, Ser/Thr protein kinase family and I-kappa-B kinase subfamily. IKKB 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, IKKB 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, IKKB acts as an adapter protein for NFKBIA degradation in UV-induced NF-kappa-B activation.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

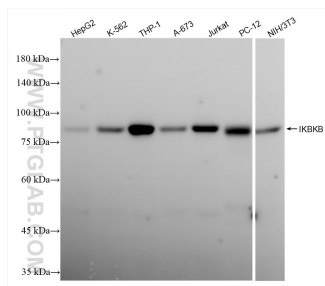
For technical support and original validation data for this product please contact:

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81347-2-RR (IKKB antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.