

# 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

**Positive Controls:**

IHC : bladder carcinoma tissue,

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

## 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:

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