

For Research Use Only

# IKBKB Monoclonal antibody

Catalog Number: 65036-1-Ig



## Basic Information

<b>Catalog Number:</b> 65036-1-Ig	<b>GenBank Accession Number:</b> BC006231	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , 667 µg/ml	<b>GeneID (NCBI):</b> 3551	<b>Recommended Dilutions:</b> IHC 1:20-1:200
<b>Source:</b> Mouse	<b>Full Name:</b> inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 756aa,81 kDa; 256aa,29 kDa	
	<b>Observed MW:</b> 87 kDa	

## 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.

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

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## Selected Validation Data