



IKK β mouse mAb

Catalog No	BYab-14216
Isotype	IgG
Reactivity	Human;Rat
Applications	WB
Gene Name	ikbkb
Protein Name	
Immunogen	Purified recombinant human IKK β protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of IKK β and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:500
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	I kappa B kinase 2; I kappa B kinase beta; I-kappa-B kinase 2; I-kappa-B-kinase beta; IkbKB; IKK 2; IKK B; IKK beta; IKK-B; IKK-beta; IKK2; IKKB; IKKB_HUMAN; IMD15; Inhibitor of kappa light chain gene enhancer in B cells; Inhibitor of kappa light polypeptide gene enhancer in B cells; Inhibitor of kappa light polypeptide gene enhancer in B cells kinase beta; Inhibitor of kappa light polypeptide gene enhancer in B cells, kinase beta; Inhibitor of nuclear factor kappa B kinase beta subunit; Inhibitor of nuclear factor kappa B kinase subunit beta; Inhibitor of nuclear factor kappa-B kinase subunit beta; MGC131801; NFKBIKB; Nuclear factor NF kappa B inhibitor kinase beta; Nuclear factor NF-kappa-B inhibitor kinase beta; Nuclear factor of kappa light chain gene enhancer in B cells inhibitor.
Observed Band	87kD
Cell Pathway	Cytoplasm . Nucleus . Membrane raft . Colocalized with DPP4 in membrane rafts.
Tissue Specificity	Highly expressed in heart, placenta, skeletal muscle, kidney, pancreas, spleen,

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thymus, prostate, testis and peripheral blood.

Function

catalytic activity:ATP + [I-kappa-B protein] = ADP + [I-kappa-B phosphoprotein].,function:Acts as part of the IKK complex in the conventional pathway of NF-kappa-B activation and phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. Also phosphorylates NCOA3.,PTM:Ubiquitination on 'Ser-163' modulates phosphorylation on C-terminal serine residues.,PTM:Upon cytokine stimulation, phosphorylated on Ser-177 and Ser-181 by MEKK1 and/or MAP3K14/NIK; which enhances activity. Once activated, autophosphorylates on the C-terminal serine cluster; which decreases activity and prevents prolonged activation of the inflammatory response.,PTM:Yersinia yopJ may acetylate Ser/Thr residues, preventing phosphorylation and activation, which blocks the I-kappa-B signaling pathway.,similarity:Belongs to the p

Background

The protein encoded by this gene phosphorylates the inhibitor in the inhibitor/NF-kappa-B complex, causing dissociation of the inhibitor and activation of NF-kappa-B. The encoded protein itself is found in a complex of proteins. Several transcript variants, some protein-coding and some not, have been found for this gene. [provided by RefSeq, Sep 2011],

matters needing attention

Avoid repeated freezing and thawing!

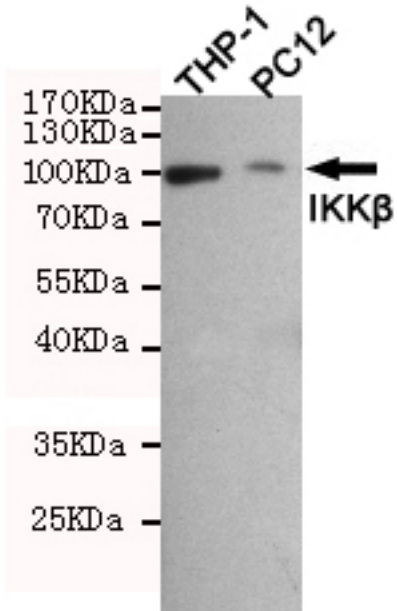
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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Products Images



Western blot detection of IKK β in THP-1 and PC12 cell lysates using IKK β mouse mAb (1:500 diluted). Predicted band size: 87KDa. Observed band size: 87KDa.