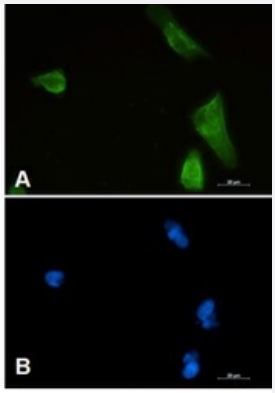
RecomAb™

IKBKB recombinant monoclonal antibody, clone R01-9H6

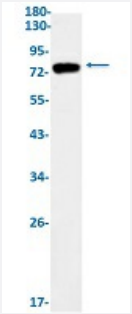
Catalog # RAB02178 Size 100 uL

Applications



Immunocytochemistry

Immunocytochemical staining of U87-MG with IKBKB recombinant monoclonal antibody, clone R01-9H6 (Cat # RAB02178). (A) IKBKB (green) and (B) DAPI (blue).



Western Blot

Western Blot analysis of 3T3 lysates with IKBKB recombinant monoclonal antibody, clone R01-9H6 (Cat # RAB02178).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human IKBKB.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human IKBKB.
Theoretical MW (kDa)	Calculated MW: 87 kD
Reactivity	Human, Mouse, Rat

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Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence(1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Immunocytochemistry

  Immunocytochemical staining of U87-MG with IKBKB recombinant monoclonal antibody, clone R01-9H6 (Cat # RAB02178). (A) IKBKB (green) and (B) DAPI (blue).

- Western Blot

  Western Blot analysis of 3T3 lysates with IKBKB recombinant monoclonal antibody, clone R01-9H6 (Cat # RAB02178).

Gene Info — IKBKB

Entrez GeneID	3551
Protein Accession#	O14920
Gene Name	IKBKB
Gene Alias	FLJ40509, IKK-beta, IKK2, IKKB, MGC131801, NFKBIKB
Gene Description	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta
Omim ID	603258

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Gene Ontology	Hyperlink
Gene Summary	NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA (MIM 164014), or RELB (MIM 604758) to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA, MIM 164008, or NFKBIB, MIM 604495), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664, or IKBKB) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T; R is an A or G purine; and Y is a C or T pyrimidine).[supplied by OMIM
Other Designations	inhibitor of nuclear factor kappa B kinase beta subunit|nuclear factor NF-kappa-B inhibitor kinase beta

Pathway

- Acute myeloid leukemia
- Adipocytokine signaling pathway
- Apoptosis
- B cell receptor signaling pathway
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Epithelial cell signaling in Helicobacter pylori infection
- Insulin signaling pathway
- MAPK signaling pathway
- Neurotrophin signaling pathway
- Pancreatic cancer
- Pathways in cancer
- Prostate cancer
- Small cell lung cancer
- T cell receptor signaling pathway
- Toll-like receptor signaling pathway

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- Type II diabetes mellitus

Disease

- Arthritis
- Asthma
- Bronchiolitis
- Colonic Neoplasms
- Disease Susceptibility
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hepatitis C
- HIV Infections
- Hodgkin Disease
- Infant
- Inflammation
- Lymphoma
- Lymphoproliferative Disorders
- Multiple Myeloma
- Occupational Diseases
- Rectal Neoplasms
- Respiratory Syncytial Virus Infections
- Thyroid Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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