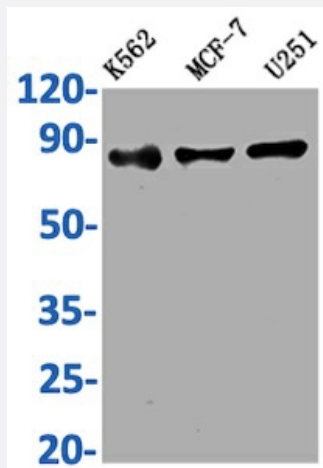


RecomAb™

IKBKB recombinant monoclonal antibody, clone 3E1

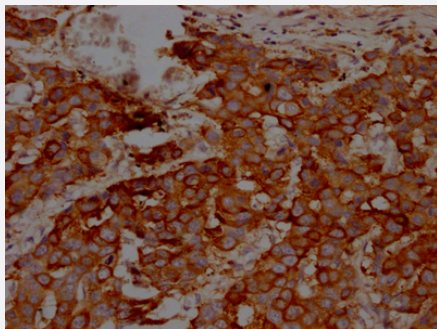
Catalog # RAB04135 Size 100 uL

Applications



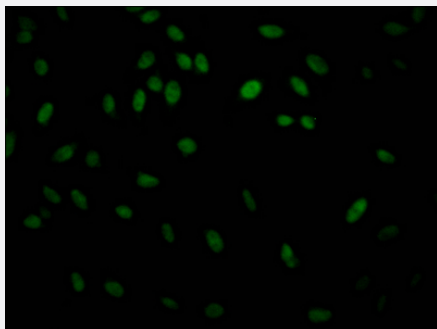
Western Blot

Western Blot analysis of Lane 1: K562 whole cell lysate; Lane 2: MCF-7 whole cell lysate; Lane 3: U251 whole cell lysate.



Immunohistochemistry

Immunohistochemistry image of IKBKB recombinant monoclonal antibody, clone 3E1 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system.



Immunofluorescence

Immunofluorescence staining of HeLa Cells with IKBKB recombinant monoclonal antibody, clone 3E1 at 1:50, counter-stained with DAPI.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human IKBKB.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human IKBKB.
Reactivity	Human
Form	Liquid
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Immunofluorescence(1:20-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: K562 whole cell lysate; Lane 2: MCF-7 whole cell lysate; Lane 3: U251 whole cell lysate.

- Immunohistochemistry

Immunohistochemistry image of IKBKB recombinant monoclonal antibody, clone 3E1 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system.

- Immunofluorescence

Immunofluorescence staining of Hela Cells with IKBKB recombinant monoclonal antibody, clone 3E1 at 1:50, counter-stained with DAPI.

- Enzyme-linked Immunoabsorbent Assay

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](#)

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](#)
- [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](#)