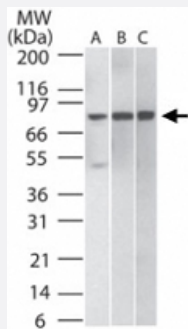


IKBKB monoclonal antibody, clone 10AG2

Catalog # MAB0075

Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of 30 ug of total cell lysate from A) Daudi, B) HeLa, and C) mouse NIH/3T3 cells. Using IKBKB monoclonal antibody, clone 10AG2 (Cat # MAB0075) at 2 ug/mL dilution.

Specification

Product Description Mouse monoclonal antibody raised against full length recombinant IKBKB.

Immunogen Recombinant protein corresponding to full length human IKBKB.

Host Mouse

Reactivity Human

Form Liquid

Isotype IgG1

Recommend Usage The optimal working dilution should be determined by the end user.

Storage Buffer In PBS (0.05% BSA, 0.05% sodium azide)

Storage Instruction Store at 4°C. For long term storage store at -20°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 (Cell lysate)

Western blot analysis of 30 ug of total cell lysate from A) Daudi, B) HeLa, and C) mouse NIH/3T3 cells. Using IKBKB monoclonal antibody, clone 10AG2 (Cat # MAB0075) at 2 ug/mL dilution.

- Immunoprecipitation

- Flow Cytometry

Gene Info — IKBKB

Entrez GeneID [3551](#)

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

Publication Reference

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Cancer Research 2005 Nov; 65(22):10578.

Application: WB-Ce, Mouse, Mouse peritoneal macrophages

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Application: IHC-P, WB-Ce, WB-Ti, Mouse, Mouse brain, Mouse cortical neurons, Mouse forebrain

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Application: IHC-P, Mouse, Mouse embryo

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Application: WB, Human, H1299 cells

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Application: WB, Human, H1299 cells

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Application: WB, Mouse, MEFs

- [Protein farnesyltransferase inhibitor \(SCH 66336\) abolishes NF-kappaB activation induced by various carcinogens and inflammatory stimuli leading to suppression of NF-kappaB-regulated gene expression and up-regulation of apoptosis.](#)

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Application: IP, WB, Human, HEK 293 cells

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Application: WB-Ti, Mouse, Mouse dorsal skin

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Application: IP, WB-Tr, Human, HEK 293T cells

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Oncogene 2003 Feb; 22(8):1206.

Application: WB-Ce, Human, KBM-5 cells

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The Journal of Biological Chemistry 2003 Apr; 278(15):13422.

Application: WB-Ti, WB-Tr, Mouse, Mouse epidermis, Mouse keratinocytes

- [Piceatannol inhibits TNF-induced NF-kappaB activation and NF-kappaB-mediated gene expression through suppression of IkappaBalpha kinase and p65 phosphorylation.](#)

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Application: WB-Tr, Rat, Rat-1 fibroblasts

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Application: KA, WB-Ce, Human, U-937 cells

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Application: WB-Ce, WB-Tr, Human, Yeast, HeLa cells, Saccharomyces cerevisiae

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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](#)