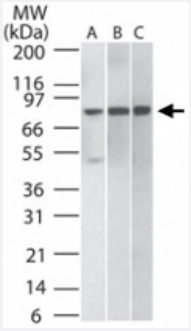
IKBKB monoclonal antibody, clone 10AG2

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 shoul d be handled by trained staff only.

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Applications

- Flow Cytometry
- Immunoprecipitation
- 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.

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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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

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

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

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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

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- 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

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- Waldenstrom Macroglobulinemia
- Werner syndrome

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