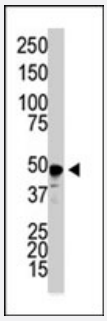
IKBKG monoclonal antibody, clone 55AT986.5.78

Catalog # MAB1141 Size 400 uL

Applications



Western Blot (Cell lysate)

The IKBKG monoclonal antibody, clone 55AT986.5.78 (Cat # MAB1141) is used in Western blot to detect IKBKG in ZR-75-1 cell lysate

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant IKBKG.
Immunogen	Recombinant His fusion protein corresponding to full length human IKBKG.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Isotype	IgG1
Recommend Usage	Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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.

Applications

- Western Blot (Cell lysate)

  The IKBKG monoclonal antibody, clone 55AT986.5.78 (Cat # MAB1141) is used in Western blot to detect IKBKG in ZR-75-1 cell lysate

Gene Info — IKBKG

Entrez GeneID	8517
Protein Accession#	NP_003630;Q9Y6K9
Gene Name	IKBKG
Gene Alias	AMCBX1, FIP-3, FIP3, Fip3p, IKK-gamma, IP, IP1, IP2, IPD2, NEMO
Gene Description	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma
Omim ID	300248 300291 300301 300584 300636 308300
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the regulatory subunit of the inhibitor of kappaB kinase (IKK) complex, which a ctivates NF-kappaB resulting in activation of genes involved in inflammation, immunity, cell surviva l, and other pathways. Mutations in this gene result in incontinentia pigmenti, hypohidrotic ectoder mal dysplasia, and several other types of immunodeficiencies. Multiple transcript variants encodin g different isoforms have been found for this gene. A pseudogene highly similar to this locus is loc ated in an adjacent region of the X chromosome. [supplied by RefSeq
Other Designations	NFkappaB essential modulator|OTTHUMP00000026027|OTTHUMP00000026028|OTTHUMP00 000026029|incontinentia pigmenti

Publication Reference

- Immune deficiency caused by impaired expression of nuclear factor-kappaB essential modifier (NEMO) because of a mutation in the 5' untranslated region of the NEMO gene.

  Mooster JL, Cancrini C, Simonetti A, Rossi P, Di Matteo G, Romiti ML, Di Cesare S, Notarangelo L, Geha RS, McDonald DR.

  The Journal of Allergy and Clinical Immunology 2010 Jun; 126(1):127.

- The LCR at the IKBKG locus is prone to recombine.

  Fusco F, D'Urso M, Miano MG, Ursini MV.

  American Journal of Human Genetics 2010 Apr; 86(4):650.

- NEMO gene mutations in Chinese patients with incontinentia pigmenti.

  Hsiao PF, Lin SP, Chiang SS, Wu YH, Chen HC, Lin YC.

  Journal of the Formosan Medical Association 2010 Mar; 109(3):192.

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
- MAPK signaling pathway
- Pancreatic cancer
- Pathways in cancer
- Primary immunodeficiency
- Prostate cancer
- Small cell lung cancer
- T cell receptor signaling pathway
- Toll-like receptor signaling pathway

Disease

- Atherosclerosis

- Calcinosis
- Coronary Artery Disease
- Disease Progression
- Disease Susceptibility
- HIV Infections