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MAPKAPK3 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a full length recombinant MAPKAPK3.
Catalog # AT2797a

Product Information

Application	WB
Primary Accession	Q16644
Other Accession	NM_004635
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4B11
Calculated MW	42987

Additional Information

Gene ID	7867
Other Names	MAP kinase-activated protein kinase 3, MAPK-activated protein kinase 3, MAPKAP kinase 3, MAPKAP-K3, MAPKAPK-3, MK-3, Chromosome 3p kinase, 3pK, MAPKAPK3
Target/Specificity	MAPKAPK3 (NP_004626, 59 a.a. ~ 153 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	MAPKAPK3 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

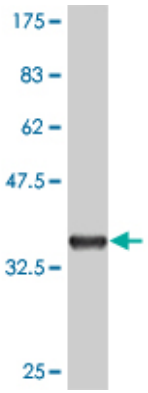
Background

This gene encodes a member of the Ser/Thr protein kinase family. This kinase functions as a mitogen-activated protein kinase (MAP kinase)- activated protein kinase. MAP kinases are also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This kinase was shown to be activated by growth inducers and stress stimulation of cells. In vitro studies demonstrated that ERK, p38 MAP kinase and Jun N-terminal kinase were all able to phosphorylate and activate this kinase, which suggested the role of this kinase as an integrative element of signaling in both mitogen and stress responses. This kinase was reported to interact with, phosphorylate and repress the activity of E47, which is a basic helix-loop-helix transcription factor known to be involved in the regulation of tissue-specific gene expression and cell differentiation.

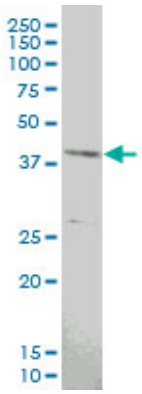
References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.High-resolution crystal structure of human Mapkap kinase 3 in complex with a high affinity ligand. Cheng R, et al. Protein Sci, 2010 Jan. PMID 19937655.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.Identification of neuroglycan C and interacting partners as potential susceptibility genes for schizophrenia in a Southern Chinese population. So HC, et al. Am J Med Genet B Neuropsychiatr Genet, 2010 Jan 5. PMID 19367581.A polymorphism in MAPKAPK3 affects response to interferon therapy for chronic hepatitis C. Tsukada H, et al. Gastroenterology, 2009 May. PMID 19208361.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.45 KDa) .



MAPKAPK3 monoclonal antibody (M06), clone 4B11
Western Blot analysis of MAPKAPK3 expression in HL-60 (
(Cat # AT2797a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.