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MAPK12 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant MAPK12.
Catalog # AT2782a

Product Information

Application	WB, IF
Primary Accession	P53778
Other Accession	BC015741
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	2C1
Calculated MW	41940

Additional Information

Gene ID	6300
Other Names	Mitogen-activated protein kinase 12, MAP kinase 12, MAPK 12, Extracellular signal-regulated kinase 6, ERK-6, Mitogen-activated protein kinase p38 gamma, MAP kinase p38 gamma, Stress-activated protein kinase 3, MAPK12, ERK6, SAPK3
Target/Specificity	MAPK12 (AAH15741, 251 a.a. ~ 367 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
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	MAPK12 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

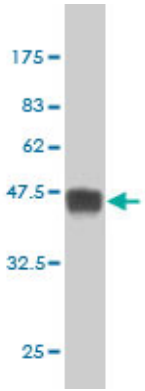
Activation of members of the mitogen-activated protein kinase family is a major mechanism for transduction of extracellular signals. Stress-activated protein kinases are one subclass of MAP kinases. The protein encoded by this gene functions as a signal transducer during differentiation of myoblasts to myotubes.

References

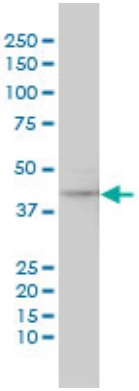
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes

REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.PTPH1 dephosphorylates and cooperates with p38gamma MAPK to increase ras oncogenesis through PDZ-mediated interaction. Hou SW, et al. Cancer Res, 2010 Apr 1. PMID 20332238.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.p38alpha and p38gamma mediate oncogenic ras-induced senescence through differential mechanisms. Kwong J, et al. J Biol Chem, 2009 Apr 24. PMID 19251701.Implication of p38 mitogen-activated protein kinase isoforms (alpha, beta, gamma and delta) in CD4+ T-cell infection with human immunodeficiency virus type I. Gutierrez-Sanmartin D, et al. J Gen Virol, 2008 Jul. PMID 18559936.

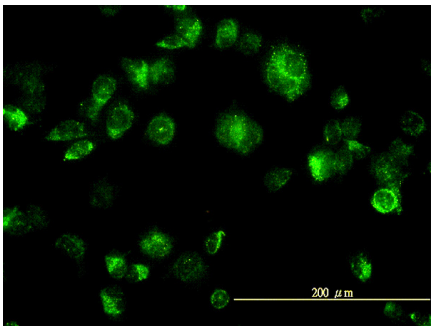
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (38.61 KDa) .



MAPK12 monoclonal antibody (M04), clone 2C1 Western Blot analysis of MAPK12 expression in Hela ((Cat # AT2782a)



Immunofluorescence of monoclonal antibody to MAPK12 on HeLa cell. [antibody concentration 10 ug/ml]

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