10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MAP2K5 Antibody (monoclonal) (M11)

Mouse monoclonal antibody raised against a partial recombinant MAP2K5.
Catalog # AT2772a

Specification

MAP2K5 Antibody (monoclonal) (M11) - Product Information

Application	**IF, WB, E**
Primary Accession	Q13163
Other Accession	BC008838
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**50112**

MAP2K5 Antibody (monoclonal) (M11) - Additional Information

Gene ID 5607

Other Names
Dual specificity mitogen-activated protein kinase kinase 5, MAP kinase kinase 5, MAPKK 5, MAPK/ERK kinase 5, MEK 5, MAP2K5, MEK5, MKK5, PRKMK5

Target/Specificity
MAP2K5 (AAH08838, 1 a.a. ~ 120 a.a) partial 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
MAP2K5 Antibody (monoclonal) (M11) is for research use only and not for use in diagnostic or therapeutic procedures.

MAP2K5 Antibody (monoclonal) (M11) - Protocols

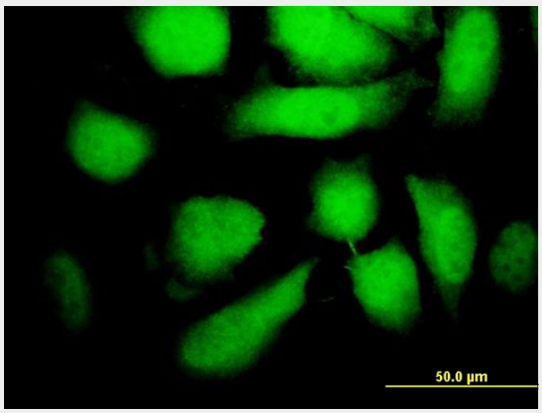
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

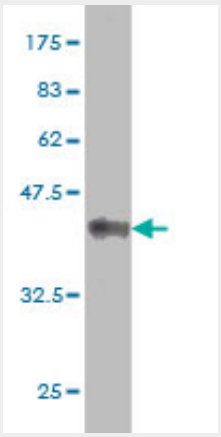
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

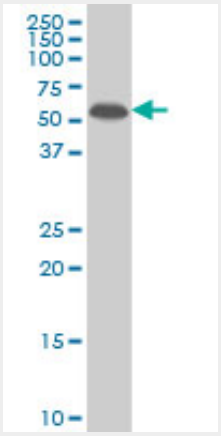
MAP2K5 Antibody (monoclonal) (M11) - Images



Immunofluorescence of monoclonal antibody to MAP2K5 on HeLa cell. [antibody concentration 10 ug/ml]



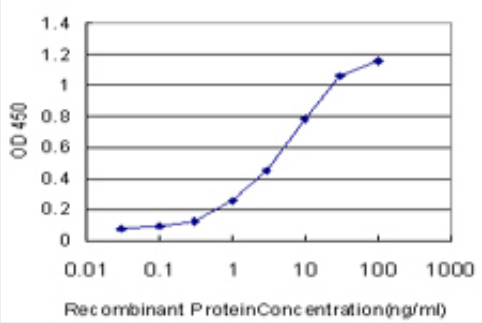
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (38.83 KDa) .



MAP2K5 monoclonal antibody (M11), clone 3E10 Western Blot analysis of MAP2K5 expression in

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Jurkat ((Cat # AT2772a)



Detection limit for recombinant GST tagged MAP2K5 is approximately 0.1ng/ml as a capture antibody.

MAP2K5 Antibody (monoclonal) (M11) - Background

The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase specifically interacts with and activates MAPK7/ERK5. This kinase itself can be phosphorylated and activated by MAP3K3/MEKK3, as well as by atypical protein kinase C isoforms (aPKCs). The signal cascade mediated by this kinase is involved in growth factor stimulated cell proliferation and muscle cell differentiation. Four alternatively spliced transcript variants of this gene encoding distinct isoforms have been described.

MAP2K5 Antibody (monoclonal) (M11) - 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.Genotyping sleep disorders patients. Kripke DF, et al. Psychiatry Investig, 2010 Mar. PMID 20396431.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.Association of intronic variants of the BTBD9 gene with Tourette syndrome. Rivi?re JB, et al. Arch Neurol, 2009 Oct. PMID 19822783.MEK5/ERK5 signaling modulates endothelial cell migration and focal contact turnover. Spiering D, et al. J Biol Chem, 2009 Sep 11. PMID 19605361.