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# MAPK12 Antibody (monoclonal) (M04)

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

## Product Information

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|---|---|
| **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

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|---|---|
| **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

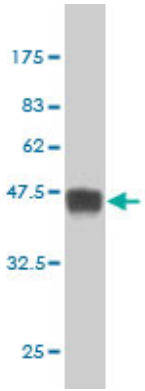
Activation of members of the mitogen-activated protein kinase family is a major mechanism for transduction of extracellular signals. Stress-activated protein kinases are one subclass of MAP kinases. The protein encoded by this gene functions as a signal transducer during differentiation of myoblasts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

## References

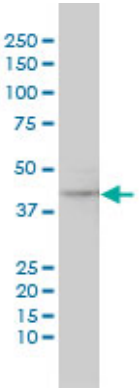
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes

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.

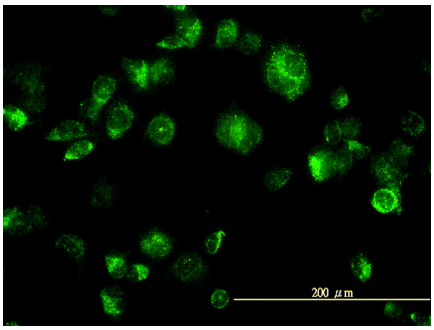
## Images




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]