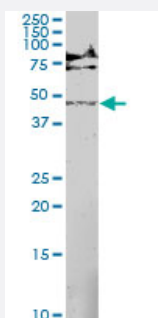


MAP2K5 monoclonal antibody (M01), clone M1-E6

Catalog # H00005607-M01

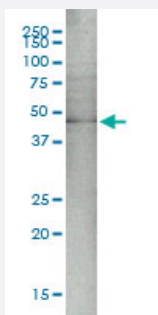
Size 100 ug

Applications



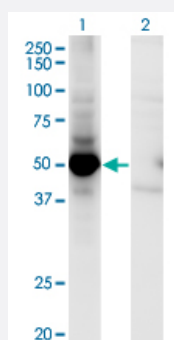
Western Blot (Cell lysate)

MAP2K5 monoclonal antibody (M01), clone M1-E6. Western Blot analysis of MAP2K5 expression in K-562 (Cat # L009V1).



Western Blot (Cell lysate)

MAP2K5 monoclonal antibody (M01), clone M1-E6 Western Blot analysis of MAP2K5 expression in Jurkat (Cat # L017V1).



Western Blot (Transfected lysate)

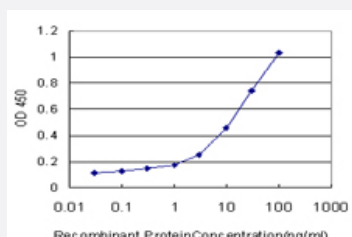
Western Blot analysis of MAP2K5 expression in transfected 293T cell line by MAP2K5 monoclonal antibody (M01), clone M1-E6.

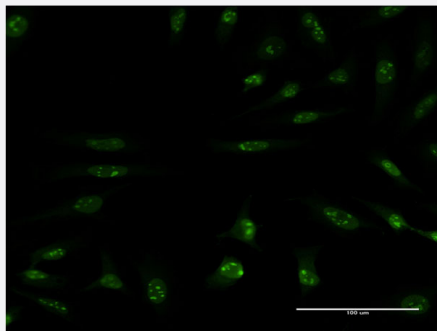
Lane 1: MAP2K5 transfected lysate (Predicted MW: 50.1 kDa).

Lane 2: Non-transfected lysate.

Sandwich ELISA (Recombinant protein)

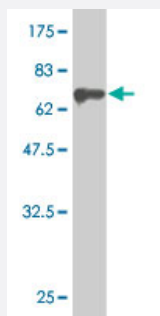
Detection limit for recombinant GST tagged MAP2K5 is approximately 0.03ng/ml as a capture antibody.





Immunofluorescence

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



Western Blot detection against Immunogen (75.02 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant MAP2K5.
Immunogen	MAP2K5 (AAH08838, 1 a.a. ~ 448 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MLWLALGPFAMENQVLVIRIKIPNSGAVDWTVHSGPQLLFRDVLVDVIGQVLPEATTTAFEYEDDGDRITVRSDEEMKAMLSYYYSTVMEQQVNGQLIEPLQIFPRACKPPGERNIHGLKVNTRAGPSQHS SPAVSDSLPSNSLKKSSAELKKILANGQMNEQDIRYRTLGHGNGGTVYKAYHVP SGKILAVKVILL DITLELQKQIMSEILEILYKCDSSYIGFYGAFFVENRISICTEFMDGGSLDVYRKMPEHVLGRIAVAVV KGLTYLWSLKILHRDVKPSNMLVNTRGQVKLCDFGVSTQLVNSIAKTYVGTNAYMAPERISGEQYGI HSDVWSLGISFMELALGRFPYPQIQKNQGSLMPLQLLQCIVDEDSPVLPVGESSEPFVHFITQCM RKQPKERPAPPEELMGHPFIVQFNDGNAAVVSMWVCRALEERRSQQGPP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (75.02 KDa) .
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

MAP2K5 monoclonal antibody (M01), clone M1-E6. Western Blot analysis of MAP2K5 expression in K-562 (Cat # L009V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

MAP2K5 monoclonal antibody (M01), clone M1-E6 Western Blot analysis of MAP2K5 expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of MAP2K5 expression in transfected 293T cell line by MAP2K5 monoclonal antibody (M01), clone M1-E6.

Lane 1: MAP2K5 transfected lysate (Predicted MW: 50.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MAP2K5 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — MAP2K5

Entrez GeneID

[5607](#)

GeneBank Accession#	BC008838
Protein Accession#	AAH08838
Gene Name	MAP2K5
Gene Alias	HsT17454, MAPKK5, MEK5, PRKMK5
Gene Description	mitogen-activated protein kinase kinase 5
Omim ID	602520
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP 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. [provided by RefSeq]
Other Designations	MAP kinase kinase MEK5b MAPK/ERK kinase 5 dual specificity mitogen-activated protein kinase kinase 5

Pathway

- [Gap junction](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Neuropsychological Tests](#)

- [Nocturnal Myoclonus Syndrome](#)
- [Obsessive-Compulsive Disorder](#)
- [Restless Legs Syndrome](#)
- [Tourette Syndrome](#)