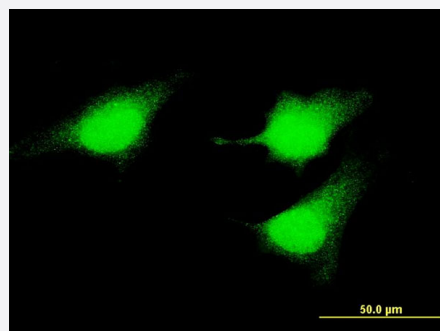


MAP2K5 monoclonal antibody (M04), clone 2C2

Catalog # H00005607-M04

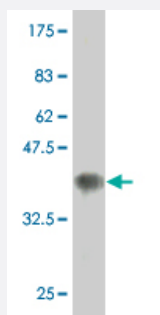
Size 100 ug

Applications



Immunofluorescence

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



Western Blot detection against Immunogen (38.83 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MAP2K5.
Immunogen	MAP2K5 (AAH08838, 1 a.a. ~ 120 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MLWLALGPFPMENQVLVIRIKIPNSGAVDWTVHSGPQLLFRDVLVDVIGQVLPEATTTAFEYEDD GDRITVRSDEEMKAMLSYYSTVMEQQVNGQLIEPLQIFPRACKPPGERNIHGL
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (99); Rat (99)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.83 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 (Recombinant protein)

[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](#)