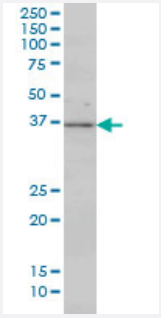
MAP2K3 monoclonal antibody (M01A), clone 2F12

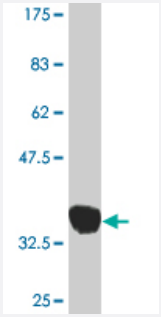
Catalog # H00005606-M01A Size 200 uL

Applications



Western Blot (Cell lysate)

MAP2K3 monoclonal antibody (M01A), clone 2F12 Western Blot analysis of MAP2K3 expression in Hela S3 NE (Cat # L013V3).



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MAP2K3.
Immunogen	MAP2K3 (AAH32478, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MESPASSQPASMPQSKGKSKRKKDLRISCMSKPPAPNPTPPRNLDSRTFITIGDRNFEVEADDLVTISELGRGAYGVVEKVRHAQSGTIMAVKRIRATVN
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa

Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  MAP2K3 monoclonal antibody (M01A), clone 2F12 Western Blot analysis of MAP2K3 expression in Hela S3 NE (Cat # L013V3).

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — MAP2K3

Entrez GeneID	5606
GeneBank Accession#	BC032478
Protein Accession#	AAH32478
Gene Name	MAP2K3
Gene Alias	MAPKK3, MEK3, MKK3, PRKMK3
Gene Description	mitogen-activated protein kinase kinase 3
Omim ID	602315
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersina pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene. [provided by RefSeq
Other Designations	MAP kinase kinase 3|MAPK/ERK kinase 3|OTTHUMP00000166044|dual specificity mitogen activated protein kinase kinase 3

Pathway

- Amyotrophic lateral sclerosis (ALS)
- Fc epsilon RI signaling pathway
- GnRH signaling pathway
- MAPK signaling pathway
- Toll-like receptor signaling pathway