

MAP2K3/MAP2K6 monoclonal antibody, clone HDA-13

Catalog # MAB20480 Size 100 uL

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human MAP2K3/MAP2K6.
Immunogen	A synthetic peptide corresponding to human MAP2K3/MAP2K6.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50) Immunocytochemistry (1:100-1:500) Immunofluorescence (1:100-1:500) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:50) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry

- Immunocytochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry

Gene Info — MAP2K3

Entrez GeneID [5606](#)

Protein Accession# [P46734;P52564](#)

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 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 Yersinia 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

Gene Info — MAP2K6

Entrez GeneID [5608](#)

Protein Accession# [P46734;P52564](#)

Gene Name MAP2K6

Gene Alias	MAPKK6, MEK6, MKK6, PRKMK6, SAPKK3
Gene Description	mitogen-activated protein kinase kinase 6
Omim ID	601254
Gene Ontology	Hyperlink
Gene Summary	<p>This gene encodes a member of the dual specificity protein kinase family, which functions as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein phosphorylates and activates p38 MAP kinase in response to inflammatory cytokines or environmental stress. As an essential component of p38 MAP kinase mediated signal transduction pathway, this gene is involved in many cellular processes such as stress induced cell cycle arrest, transcription activation and apoptosis. [provided by RefSeq]</p>
Other Designations	protein kinase, mitogen-activated, kinase 6 (MAP kinase kinase 6)

Pathway

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

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Huntington disease](#)