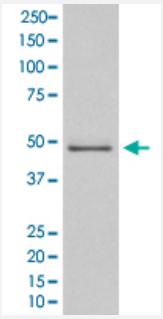
MAP2K5 monoclonal antibody, clone HCE-13

Catalog # MAB20481 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of HeLa cell lysate with MAP2K5 monoclonal antibody, clone HCE-13 (Cat # MAB20481).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human MAP2K5.
Immunogen	A synthetic peptide corresponding to human MAP2K5.
Host	Rabbit
Theoretical MW (kDa)	50.112
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Western Blot (1:1000-1:2000) 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).

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Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored 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 shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Immunocytochemistry
- Western Blot (Cell lysate)

  Western Blot analysis of HeLa cell lysate with MAP2K5 monoclonal antibody, clone HCE-13 (Cat # MAB20481).

Gene Info — MAP2K5

Entrez GeneID	5607
Protein Accession#	Q13163
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 kina se kinase family. This kinase specifically interacts with and activates MAPK7/ERK5. This kinase i tself can be phosphorylated and activated by MAP3K3/MEKK3, as well as by atypical protein kin ase 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 vari ants 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 kinas e kinase 5

Pathway

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- 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

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