

## MAP2K5 monoclonal antibody (M11), clone 3E10

Catalog # : H00005607-M11

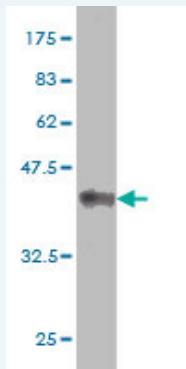
規格 : [ 100 ug ]

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### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a partial recombinant MAP2K5.
<b>Immunogen:</b>	MAP2K5 (AAH08838, 1 a.a. ~ 120 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	MLWLALGPPFAMENQVLVIRIKIPNSGAVDWTVHSGPQLLFRDVLVDVIGQ VLPEATTTAFEYEDEDGDRITVRSDEEMKAMLSYYSTVMEQQVNGQLI EPLQIFPRACKPPGERNIHGL
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	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.

**MSDS:** [Download](#)

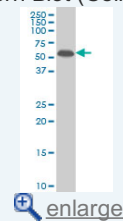
**Datasheet:** [Download](#)

### Applications

Western Blot (Cell lysate)

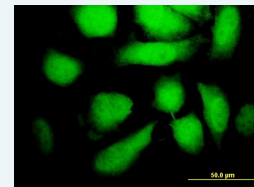
### Application Image

Western Blot (Cell lysate)

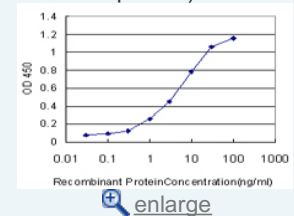


Western Blot (Recombinant protein)

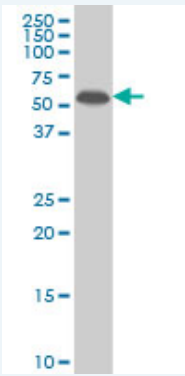
Immunofluorescence



Sandwich ELISA (Recombinant protein)



ELISA



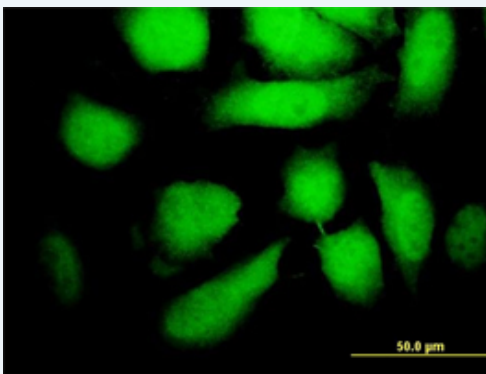
MAP2K5 monoclonal antibody (M11), clone 3E10 Western Blot analysis of MAP2K5 expression in Jurkat ( Cat # L017V1 ).

[Protocol Download](#)

#### Western Blot (Recombinant protein)

[Protocol Download](#)

#### Immunofluorescence

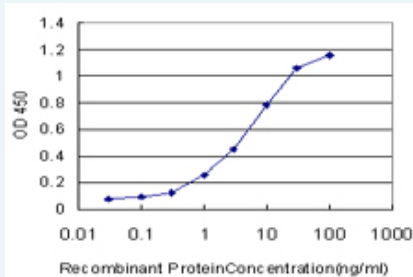


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Immunofluorescence of monoclonal antibody to MAP2K5 on HeLa cell. [antibody concentration 10 ug/ml]

[Protocol Download](#)

#### Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged MAP2K5 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

#### ELISA

#### Gene Information

Entrez GeneID: [5607](#)

GeneBank [BC008838](#)  
Accession#:

Protein [AAH08838](#)  
Accession#:

Gene Name: MAP2K5

Gene Alias: HsT17454,MAPKK5,MEK5,PRKMK5

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**Gene** mitogen-activated protein kinase kinase 5

**Description:**

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**Omim ID:** [602520](#)

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**Gene Ontology:** [Hyperlink](#)

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**Gene Summary:** The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase 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]

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**Other Designations:** MAP kinase kinase MEK5b, MAPK/ERK kinase 5, dual specificity mitogen-activated protein kinase kinase 5

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**Gene Pathway**

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

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**Related Disease**

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