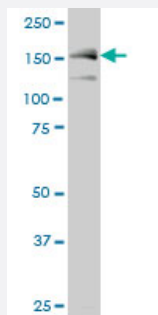


MAP3K5 monoclonal antibody (M03), clone 2D11

Catalog # H00004217-M03

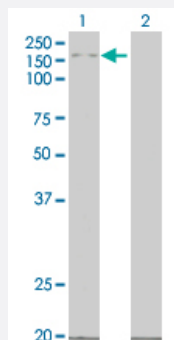
Size 100 ug

Applications



Western Blot (Cell lysate)

MAP3K5 monoclonal antibody (M03), clone 2D11 Western Blot analysis of MAP3K5 expression in A-431 (Cat # L015V1).

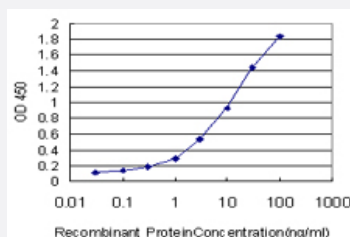


Western Blot (Transfected lysate)

Western Blot analysis of MAP3K5 expression in transfected 293T cell line by MAP3K5 monoclonal antibody (M03), clone 2D11.

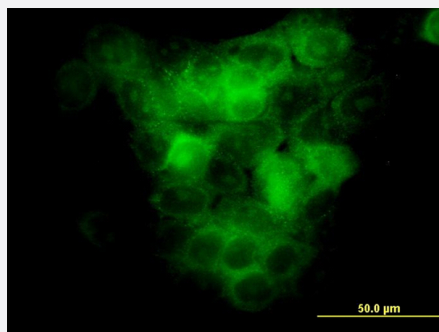
Lane 1: MAP3K5 transfected lysate(155 KDa).

Lane 2: Non-transfected lysate.



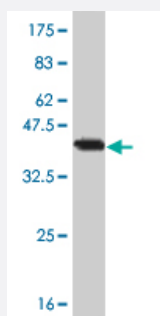
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MAP3K5 is approximately 0.3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to MAP3K5 on A-431 cell.
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (41.58 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MAP3K5.
Immunogen	MAP3K5 (AAH54503, 1231 a.a. ~ 1374 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SHDSQSAHRSLNVQLGRMKIETNRLLEELVRKEKELQALLHRAIEEKDQEIKHLKLKSQPIEPELP VFHLNSSGTNTEDSELTDWLRVNGADEDTSRFLAEDYTLLDVLYYVTRDDLKCLRLRGGMLCTL WKAIDFRNKQT
Host	Mouse
Reactivity	Human
Isotype	IgG1 Lambda
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (41.58 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 (Cell lysate)

MAP3K5 monoclonal antibody (M03), clone 2D11 Western Blot analysis of MAP3K5 expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of MAP3K5 expression in transfected 293T cell line by MAP3K5 monoclonal antibody (M03), clone 2D11.

Lane 1: MAP3K5 transfected lysate(155 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MAP3K5 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to MAP3K5 on A-431 cell. [antibody concentration 10 ug/ml]

Gene Info — MAP3K5

Entrez GeneID [4217](#)

GeneBank Accession# [BC054503](#)

Protein Accession# [AAH54503](#)

Gene Name MAP3K5

Gene Alias ASK1, MAPKKK5, MEKK5

Gene Description mitogen-activated protein kinase kinase kinase 5

Omim ID [602448](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, Drosophila, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells; MAPKKK5 does not activate MAPK/ERK. [provided by RefSeq]

Other Designations

MAP/ERK kinase kinase 5|MAPK/ERK kinase kinase 5|OTTHUMP00000017275|apoptosis signal regulating kinase

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Lymphoma](#)
- [Tobacco Use Disorder](#)