

Product Name: MAP2K5 Mouse Monoclonal Antibody
Catalog #: AMM81347



Summary

Production Name	MAP2K5 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC,FC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	MAP2K5
Alternative Names	MEK5; MAPKK5; PRKMK5; HsT17454
Gene ID	5607.0
SwissProt ID	Q13163.Purified recombinant fragment of human MAP2K5 (AA: 63-180) expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,IHC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	50kDa

Background

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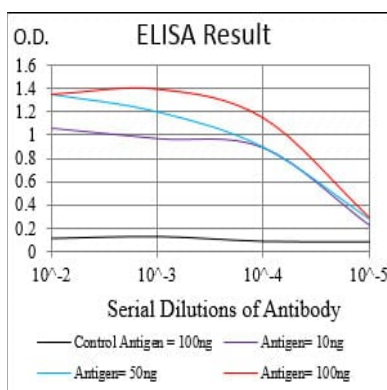


The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase specifically interacts with and activates MAPK7/ERK5. This kinase itself can be phosphorylated and activated by MAP3K3/MEKK3, as well as by atypical protein kinase C isoforms (aPKCs). The signal cascade mediated by this kinase is involved in growth factor stimulated cell proliferation and muscle cell differentiation. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been described.

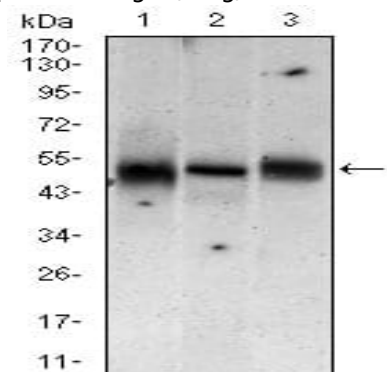
Research Area

TGF-beta signaling pathway, MAPK signaling pathway, Jak-STAT signaling pathway

Image Data

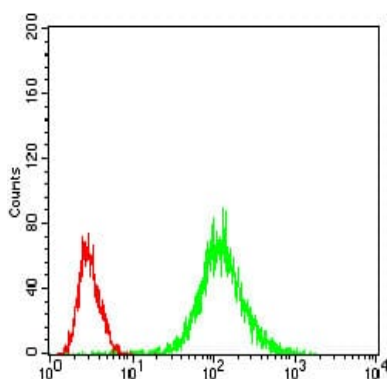


Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

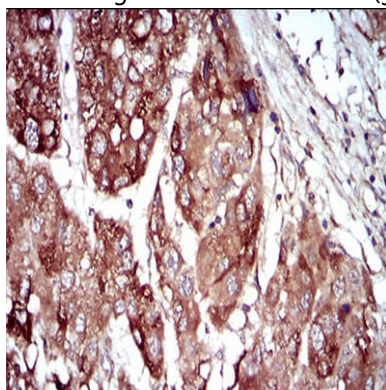


Western blot analysis using MAP2K5 mouse mAb against Jurkat (1), A431 (2), A549 (3) cell lysate.

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Flow cytometric analysis of Jurkat cells using MAP2K5 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissues using MAP2K5 mouse mAb with DAB staining.

Note

For research use only.