For Research Use Only

MEK1 Monoclonal antibody

Catalog Number:67872-1-Ig Featured Product 1 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
67872-1-Ig

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

GenBank Accession Number:
BC139729

GeneID (NCBI):
5604

ENSEMBL Gene ID:
ENSG00000169032

UNIPROT ID:
Q02750

Full Name:
mitogen-activated protein kinase kinase 1

Calculated MW:
43 kDa

Observed MW:
40-50 kDa

Purification Method:
Protein G purification

CloneNo.:
3F6D7

Recommended Dilutions:
WB 1:2000-1:10000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
Human, rat, mouse

Cited Species:
rat

Positive Controls:

WB : A431 cells, Calyculin A treated HeLa cells, NIH/3T3 cells, HSC-T6 cells, Calyculin A treated PC-3 cells

Background Information

MEK1 is also named as MAP2K1 (mitogen-activated protein kinase kinase 1), MAPKK1, PRKMK1, MKK1 and belongs to the MAP kinase kinase subfamily. It is a dual-specificity kinase that mediate ERK1 and ERK2 activation during adhesion and growth factor signaling(PMID:19219045). It also plays an essential role in extra-embryonic ectoderm during placentogenesis.

Notable Publications

Author	Pubmed ID	Journal	Application
Yin Wang	36693549	J Ethnopharmacol	WB

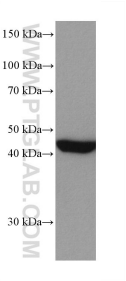
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

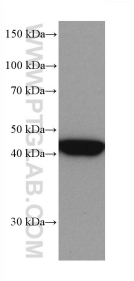
*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

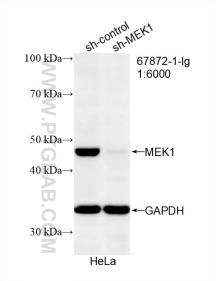
Selected Validation Data



A431 cells were subjected to SDS PAGE followed by western blot with 67872-1-Ig (MEK1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 67872-1-Ig (Phospho-MEK1 (Thr292) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of MEK1 antibody (67872-1-Ig; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MEK1 transfected HeLa cells.