

Phospho-MEK1 (Thr292) Polyclonal antibody

Catalog Number: 28930-1-AP

8 Publications

Basic Information

Catalog Number:

28930-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

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:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

Human

Cited Species:

human, mouse

Positive Controls:

WB : nocodazole treated A431 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. MEK1 has 2 isoforms produced by alternative splicing with the molecular weight of 43 kDa and 41 kDa. MEK1 may form a heterodimer with Mek2. (PMID:21144847, 19219045).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiang Li	34803501	Int J Biol Sci	WB
Qiong Xu	34783299	Bioengineered	WB
Zizhen Si	36669783	Life Sci Alliance	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

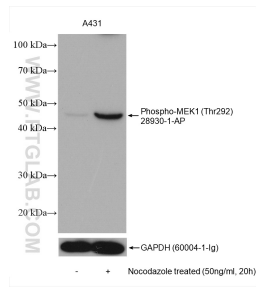
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T: 4006900926

E: Proteintech-CN@ptglab.comW: ptgcn.com

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Selected Validation Data



Non-treated A431 and nocodazole treated A431 cells were subjected to SDS PAGE followed by western blot with 28930-1-AP (Phospho-MEK1(Thr292) antibody) at dilution of 1:1000 incubated at 4°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.