

For Research Use Only

Phospho-MEK1 (Thr386) Polyclonal antibody

Catalog Number: 28935-1-AP



Basic Information

Catalog Number:

28935-1-AP

Concentration:

200 ug/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:

40-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : λ phosphatase treated HeLa cells,

IF/ICC : λ phosphatase treated HeLa 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).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide, 50% glycerol, and 0.05% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

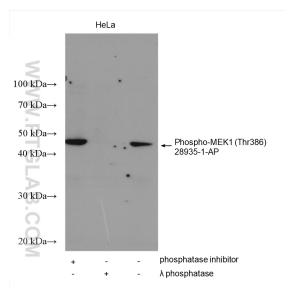
T: 4006900926

E: Proteintech-CN@ptglab.com

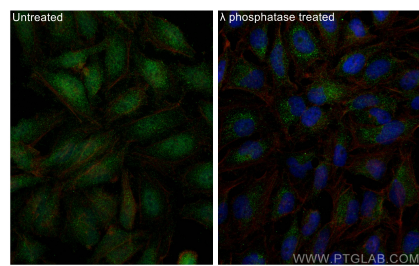
W: ptgcn.com

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Selected Validation Data



Non-treated HeLa cells, phosphatase inhibitor treated and λ phosphatase treated HeLa cells were subjected to SDS PAGE followed by western blot with 28935-1-AP (Phospho-MEK1 (Thr386) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed λ phosphatase treated HeLa cells using Phospho-MEK1 (Thr386) antibody (28935-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).