

For Research Use Only

Phospho-MEK1 (Thr386) Polyclonal antibody

Catalog Number: 28935-1-AP



Basic Information

Catalog Number: 28935-1-AP	GenBank Accession Number: BC139729	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 200 ug/ml by Nanodrop;	GeneID (NCBI): 5604	Recommended Dilutions: WB 1:1000-1:4000 IF/ICC 1:50-1:500
Source: Rabbit	ENSEMBL Gene ID: ENSG00000169032	
Isotype: IgG	UNIPROT ID: Q02750	
	Full Name: mitogen-activated protein kinase kinase 1	
	Calculated MW: 43 kDa	
	Observed MW: 40-45 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	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).

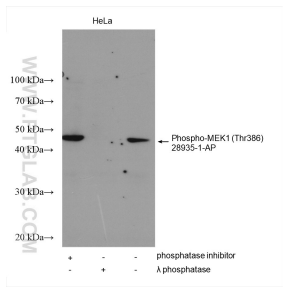
Storage

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

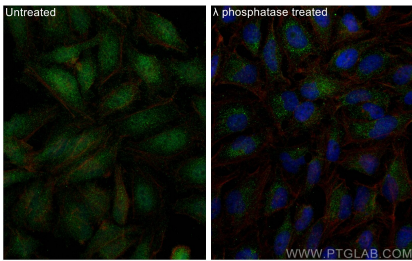
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).