

For Research Use Only

Phospho-MEK1 (Thr292) Polyclonal antibody



Catalog Number: 28930-1-AP

8 Publications

Basic Information

Catalog Number: 28930-1-AP	GenBank Accession Number: BC139729	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 5604	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	Full Name: mitogen-activated protein kinase kinase 1	
Isotype: IgG	Calculated MW: 43 kDa	
	Observed MW: 45-50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : nocodazole treated A431 cells,
Cited Applications: WB	
Species Specificity: Human	
Cited Species: human, mouse	

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

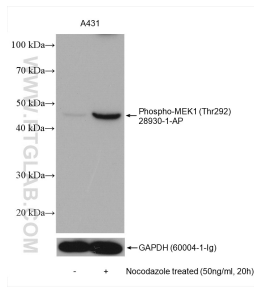
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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.