

For Research Use Only

# Phospho-MEK1 (Thr386) Polyclonal antibody



Catalog Number: 28935-1-AP

## Basic Information

<b>Catalog Number:</b> 28935-1-AP	<b>GenBank Accession Number:</b> BC139729	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 200 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5604	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>Full Name:</b> mitogen-activated protein kinase kinase 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 43 kDa	
	<b>Observed MW:</b> 40-45 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : λ phosphatase treated HeLa cells,
<b>Species Specificity:</b> Human	

## 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

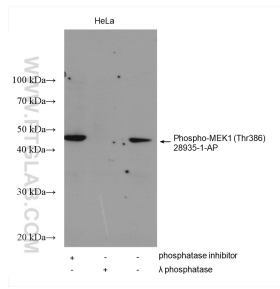
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide, 50% glycerol pH 7.3 and 0.05% BSA.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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

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## Selected Validation Data



Non-treated HeLa cells, phosphatase inhibitor treated and  $\lambda$  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.