

For Research Use Only

MEK1-Specific Polyclonal antibody

Catalog Number: 51080-1-AP **8 Publications**



Basic Information

Catalog Number: 51080-1-AP	GenBank Accession Number: BC139729	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 300 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5604	Recommended Dilutions: IHC 1:20-1:200
Source: Rabbit	ENSEMBL Gene ID: ENSG00000169032	
Isotype: IgG	UNIPROT ID: Q02750	
	Full Name: mitogen-activated protein kinase kinase 1	
	Calculated MW: 43 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human endometrial cancer tissue, human colon tissue
Cited Applications: WB	
Species Specificity: human	
Cited Species: human, mouse, Eriocheir sinensis	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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. It can be phosphorylated(PMID:21144847). This antibody is specific to MEK1.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaochuan Zheng	33197858	Comp Biochem Physiol Part D Genomics Proteomics	WB
Wei Li	35042538	Cancer Cell Int	WB
Pengchao Zheng	32021289	Onco Targets Ther	WB

Storage

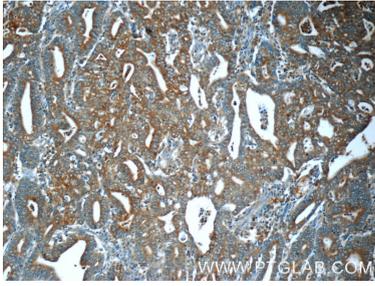
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

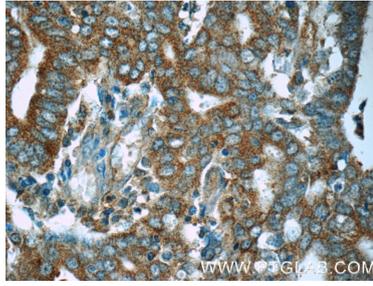
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 51080-1-AP (MEK1-Specific antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 51080-1-AP (MEK1-Specific antibody at dilution of 1:50 (under 40x lens).