

For Research Use Only

MAPKSP1 Polyclonal antibody

Catalog Number: 11937-1-AP **1 Publications**



Basic Information

Catalog Number: 11937-1-AP	GenBank Accession Number: BC026245	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 213 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8649	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	Full Name: MAPK scaffold protein 1	
Isotype: IgG	Calculated MW: 124 aa, 14 kDa	
Immunogen Catalog Number: AG2534	Observed MW: 14 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : human liver tissue, L02 cells, mouse brain tissue, mouse liver tissue
Cited Applications: WB	IHC : human prostate cancer tissue, human heart tissue, human liver tissue
Species Specificity: human, mouse, rat	
Cited Species: human	

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

MAPKSP1, also named as mitogen activated protein kinase kinase 1 interacting protein 1, Map2k1ip1, MEK partner 1, Lamtor3 and MP1. It was first identified as a scaffold protein enhancing the efficiency of the MAPK pathway by facilitating the interaction between MEK1 and ERK1 upon serum stimulation (PMID: 9733512). Later, it has been demonstrated that MAPKSP1 enhances activation of both ERK1 and ERK2 as a response to EGF (PMID: 12479806) and fibronectin (PMID: 15923628). MAPKSP1 is involved in regulating endosomal signaling (PMID: 17178906), and a role in cancer, via MEK and ERK hyperactivation, has been demonstrated in pancreatic tumorigenesis (PMID: 24209743). MAPKSP1 has two isoforms with the molecular weight of 13-14 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Yihan Wang	35959437	Front Pharmacol	WB

Storage

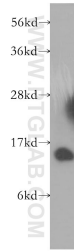
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

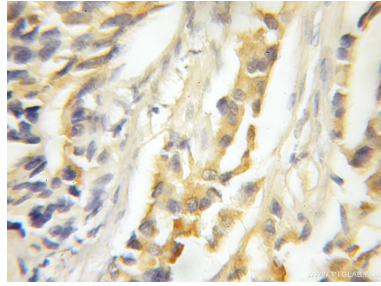
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 11937-1-AP (MAPKSP1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 11937-1-AP (MAPKSP1 antibody) at dilution of 1:50 (under 10x lens).