

For Research Use Only

MAPKSP1 Polyclonal antibody

Catalog Number: 11937-1-AP

1 Publications



Basic Information

Catalog Number:

11937-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 213 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2534

GenBank Accession Number:

BC026245

GeneID (NCBI):

8649

UNIPROT ID:

Q9UHA4

Full Name:

MAPK scaffold protein 1

Calculated MW:

124 aa, 14 kDa

Observed MW:

14 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

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

Positive Controls:

WB : human liver tissue, L02 cells, mouse brain tissue, mouse liver tissue

IHC : human prostate cancer tissue, human heart tissue, human liver tissue

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

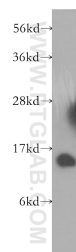
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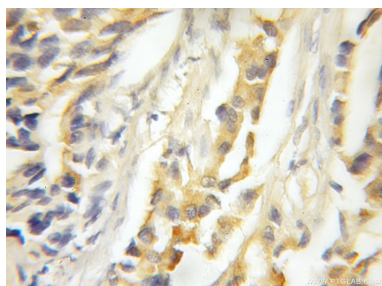
E: proteintech@ptglab.com
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Selected Validation Data



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).