

For Research Use Only

MARCKSL1 Polyclonal antibody

Catalog Number: 11422-1-AP

1 Publications



Basic Information

Catalog Number:

11422-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1967

GenBank Accession Number:

BC007904

GeneID (NCBI):

65108

UNIPROT ID:

P49006

Full Name:

MARCKS-like 1

Calculated MW:

195 aa, 20 kDa

Observed MW:

42 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB : human brain tissue,

IHC : human lung cancer tissue, human breast cancer tissue

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

MARCKS-like protein 1 (MARCKSL1) is widely expressed in nervous tissue, it is also named MARCKS-like protein (MLP) or MARCKS-related protein (MRP) and belongs to the MARCKS family, which is a highly acidic myristoylated family of PKC substrates widely distributed in diverse cell types including macrophages. The protein has a calculated molecular weight of 20 kDa and an apparent molecular weight of 42-48 kDa due to anomalous migration on SDS gels or phosphorylation. Genetic disruption of MARCKSL1 results in neural tube closure defects, events that depend on coordinated control of actin functions, cell shape, and cell migration. MARCKSL1 are thought to regulate the actin cytoskeleton and thereby participate in major cellular responses such as phagocytosis, secretion, motility, mitogenesis, and membrane trafficking.

Notable Publications

Author	Pubmed ID	Journal	Application
Turtoi Andrei A	22909274	J Proteome Res	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

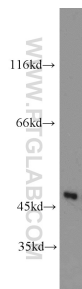
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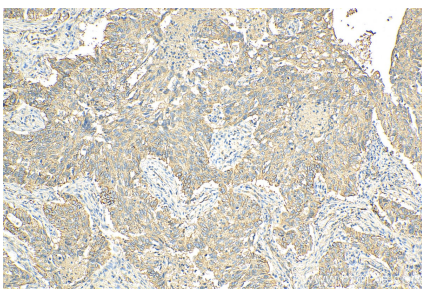
E: proteintech@ptglab.com
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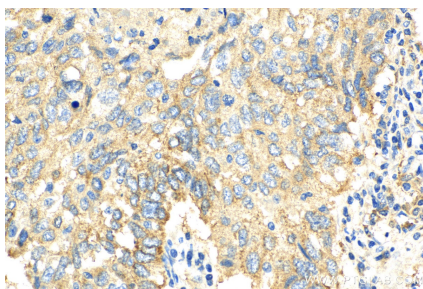
Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 11422-1-AP (MARCKSL1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11422-1-AP (MARCKSL1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11422-1-AP (MARCKSL1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).