

For Research Use Only

# MARCKSL1 Polyclonal antibody

Catalog Number: 11422-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 11422-1-AP	<b>GenBank Accession Number:</b> BC007904	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 65108	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> MARCKS-like 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 195 aa, 20 kDa	
<b>Immunogen Catalog Number:</b> AG1967	<b>Observed MW:</b> 42 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> human brain tissue,
<b>Species Specificity:</b> human	<b>IHC :</b> human lung cancer tissue, human breast cancer tissue
<b>Cited Species:</b> mouse	

**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

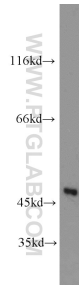
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

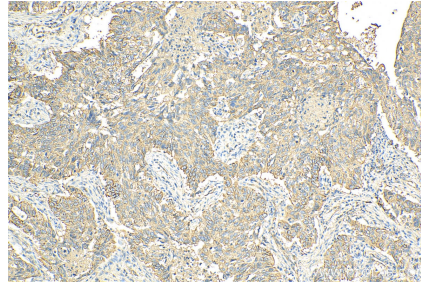
For technical support and original validation data for this product please contact:  
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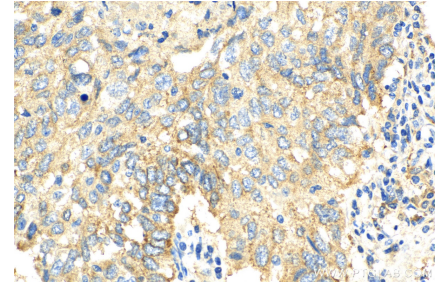
## Selected Validation Data



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).