

For Research Use Only

# MARCKSL1 Polyclonal antibody

Catalog Number: 14124-1-AP



## Basic Information

<b>Catalog Number:</b> 14124-1-AP	<b>GenBank Accession Number:</b> BC066915	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 750 ug/ml by Nanodrop and 360 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 65108	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P49006	
<b>Isotype:</b> IgG	<b>Full Name:</b> MARCKS-like 1	
<b>Immunogen Catalog Number:</b> AG5274	<b>Calculated MW:</b> 20 kDa	
	<b>Observed MW:</b> 48 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : fetal human brain tissue, human brain tissue IHC : skin cancer,
<b>Species Specificity:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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.

## Storage

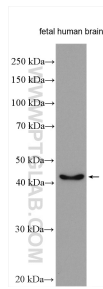
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

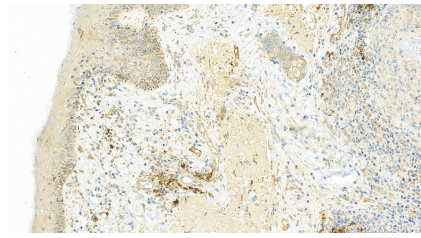
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Fetal human brain tissue were subjected to SDS PAGE followed by western blot with 14124-1-AP (MARCKSL1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 14124-1-AP (MARCKSL1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).