

## MARCKSL1 Polyclonal Antibody

Catalog number: 11422-1-AP

Size: 44 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

MARCKSL1; F52, Mac

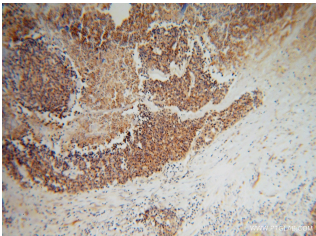
MARCKS, MACMARCKS,

MARCKS like 1, MARCKS like

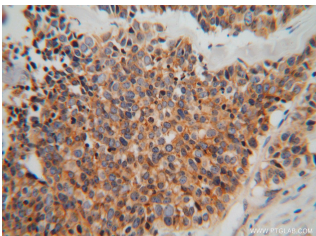
protein 1, MARCKS related

protein, MARCKSL1, MLP,

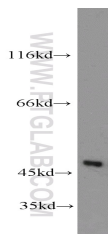
MLP1, MRP



Immunohistochemical of paraffin-embedded human lung cancer using 11422-1-AP (MARCKSL1 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human lung cancer using 11422-1-AP (MARCKSL1 antibody) at dilution of 1:50 (under 40x lens)



human brain tissue were subjected to SDS PAGE followed by western blot with 11422-1-AP (MARCKSL1 antibody) at dilution of 1:600

### Background

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.

### Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated MARCKSL1 MW:	195aa, 20 kDa
Observed MARCKSL1 MW:	48 kDa
Positive WB detected in	Human brain tissue
Positive IHC detected in	Human lung cancer tissue, human liver cancer tissue, human pancreas cancer tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1967
GenBank accession number:	BC007904
Gene ID (NCBI):	65108
Full name:	MARCKS-like 1

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.