

For Research Use Only

LPPR5 Polyclonal antibody, PBS Only

Catalog Number: 18842-1-PBS



Basic Information

Catalog Number:

18842-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001010861

GeneID (NCBI):

163404

UNIPROT ID:

Q32ZL2

Full Name:

phosphatidic acid phosphatase type 2

Calculated MW:

35 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

IHC, Indirect ELISA

Species Specificity:

human, mouse

Background Information

The lipid phosphate phosphatase-related proteins (LPPRs), also known as plasticity-related genes (PRGs), are a family of six transmembrane proteins that are enriched in brain. To date, five members have been identified (LPPR1-LPPR5). LPPR5 is an integral membrane protein linked to neuronal plasticity, which impedes NogoA- and LPA-mediated RhoA kinase signaling. LPPR5 modulates the Rho-GTPase pathway involved in cancer growth, vascularization, and the adaptive response to changes in the microenvironment. LPPR5 is pivotal in influencing growth, angiogenesis, and therapeutic resistance. (PMID: 26183180, PMID: 35328529)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

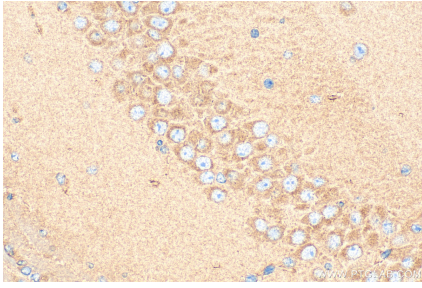
For technical support and original validation data for this product please contact:

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 18842-1-AP (LPPR5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18842-1-PBS in a different storage buffer formulation.