

For Research Use Only

LYPD1 Polyclonal antibody

Catalog Number: 11415-1-AP



Basic Information

Catalog Number: 11415-1-AP	GenBank Accession Number: BC017318	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 150 ug/ml by Nanodrop and 150 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 116372	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q8N2G4	
Isotype: IgG	Full Name: LY6/PLAUR domain containing 1	
Immunogen Catalog Number: AG1965	Calculated MW: 141 aa, 15 kDa	
	Observed MW: 15 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: mouse, rat	WB : mouse brain tissue, rat brain tissue
	IHC : human ovary 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

LY6/PLAUR domain containing 1 (LYPD1) is a highly conserved glycosylphosphatidylinositol (GPI)-anchored protein. LYPD1 contains one cysteine-rich extracellular leukocyte antigen-6 (Ly6)/uPAR (PLAUR) domain followed by signal sequence that triggers posttranslational GPI-anchor addition incorporating mature, LYPD1 into the plasma membrane. LYPD1 is believed to act as a modulator of nicotinic acetylcholine receptors (nAChRs) activity. LYPD1 increases receptor desensitization in vitro and decreases affinity for ACh of alpha-4:beta-2-containing nAChRs. LYPD1 has 4 isoforms produced by alternative splicing (PMID: 33536191).

Storage

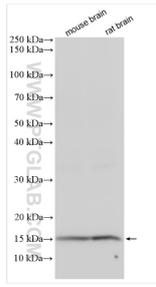
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

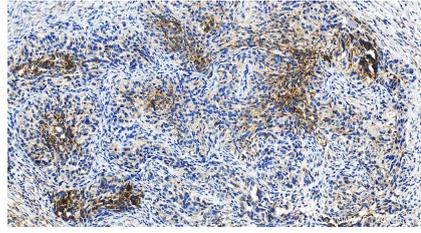
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11415-1-AP (LYPD1 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 11415-1-AP (LYPD1 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).