

LYPD6 Rabbit pAb

LYPD6 Rabbit pAb
Catalog # AP57160

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q86Y78
Predicted	Rat, Pig, Human, Mouse, Rabbit, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19118
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LYPD6
Epitope Specificity	61-160/171
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Members of the LY6 protein family (see SLURP1; MIM 606119), such as LYPD6, have at least one 80-amino acid LU domain that contains 10 conserved cysteines with a defined disulfide-bonding pattern (Zhang et al., 2010 [PubMed 19653121]).[supplied by OMIM, Apr 2010]

Additional Information

Gene ID	130574
Other Names	Ly6/PLAUR domain-containing protein 6, LYPD6
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	LYPD6
Function	Acts as a modulator of nicotinic acetylcholine receptors (nAChRs) function in the brain (PubMed: 27344019 , PubMed: 34631692). Inhibits nicotine-induced

Ca(2+) influx through nAChRs (PubMed:[27344019](#)). In vitro, specifically inhibits alpha-3:beta-4 and alpha-7 nAChR currents in an allosteric manner (PubMed:[34631692](#)). Acts as a positive regulator of Wnt/beta-catenin signaling (By similarity).

Cellular Location

Secreted. Cytoplasm. Cell membrane; Lipid-anchor, GPI-anchor Synapse, synaptosome {ECO:0000250|UniProtKB:D3ZTT2}. Membrane raft {ECO:0000250|UniProtKB:Q66IA6}. Cell projection, dendrite {ECO:0000250|UniProtKB:D3ZTT2}. Perikaryon {ECO:0000250|UniProtKB:D3ZTT2}. Note=Colocalizes with alpha-3:beta-4- and alpha-7- nicotinic acetylcholine receptors (nAChRs) in the primary cortex and hippocampus. {ECO:0000250|UniProtKB:D3ZTT2}

Tissue Location

Detected in the temporal cortex (at protein level) (PubMed:25680266). Ubiquitous (PubMed:19653121). Highly expressed in brain and heart (PubMed:19653121).

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.