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PLDL1 Rabbit pAb

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Catalog # AP58126

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q15111
Predicted	Rat, Pig, Dog, Human, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	122728
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PLDL1
Epitope Specificity	1001-1096/1096
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	Cytoplasmic
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	PLCL1 is involved an inositol phospholipid based intracellular signaling cascade. Shows no PLC activity to phosphatidylinositol 4,5-bisphosphate and sphatidylinositol. Component in the phospho-dependent endocytosis process of GABA A receptor (By similarity). Regulates the turnover of receptors and thus contributes to the maintenance of GABA mediated synaptic inhibition. Its aberrant expression could contribute to the genesis and progression of lung carcinoma. Acts as an inhibitor of PPP1C.

Additional Information

Gene ID	5334
Other Names	Inactive phospholipase C-like protein 1, PLC-L1, Phospholipase C-deleted in lung carcinoma, Phospholipase C-related but catalytically inactive protein, PRIP, PLCL1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=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	PLCL1
Function	Involved in an inositol phospholipid-based intracellular signaling cascade. Shows no PLC activity to phosphatidylinositol 4,5- bisphosphate and phosphatidylinositol. Component in the phospho- dependent endocytosis process of GABA A receptor (By similarity). Regulates the turnover of receptors and thus contributes to the maintenance of GABA-mediated synaptic inhibition. Its aberrant expression could contribute to the genesis and progression of lung carcinoma. Acts as an inhibitor of PPP1C.
Cellular Location	Cytoplasm.
Tissue Location	Expressed in a variety of fetal and adult organs including brain, lung and kidney. Its expression was greatly reduced in small and non-small cell lung carcinoma. Isoform 1 is predominantly expressed in brain.

Background

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