

PLCL1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP8850a**Specification**

PLCL1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q15111](#)**PLCL1 Antibody (N-term) Blocking Peptide - 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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8850a](/products/AP8850a) was selected from the N-term region of human PLCL1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PLCL1 Antibody (N-term) Blocking Peptide - 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.

PLCL1 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PLCL1 Antibody (N-term) Blocking Peptide - Images

PLCL1 Antibody (N-term) Blocking Peptide - Background

PLCL1 is 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 a nhibitor of PPP1C.

PLCL1 Antibody (N-term) Blocking Peptide - References

Liu,Y.Z., et.al., PLoS ONE 3 (9), E3160 (2008)