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PLCG2 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS15580

Specification

PLCG2 Antibody - Product Information

Application	**IHC, WB**
Primary Accession	P16885
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**148kDa KDa**

PLCG2 Antibody - Additional Information

Gene ID 5336

Other Names
1-phosphatidylinositol 4, 5-bisphosphate phosphodiesterase gamma-2, 3.1.4.11, Phosphoinositide phospholipase C-gamma-2, Phospholipase C-IV, PLC-IV, Phospholipase C-gamma-2, PLC-gamma-2, PLCG2

Target/Specificity
The antibody recognizes 139 kD human PLC gamma 1 &2. Jurkat cell lysate can be used as a positive control. Reactivity to other species has not been determined.

Reconstitution & Storage
Store at -20°C. Aliquot to avoid freeze/thaw cycles. Store undiluted.

Precautions
PLCG2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PLCG2 Antibody - Protein Information

Name PLCG2 (HGNC:9066)

Function
The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. It is a crucial enzyme in transmembrane signaling.

Cellular Location
Membrane raft {ECO:0000250|UniProtKB:Q8CIH5}.

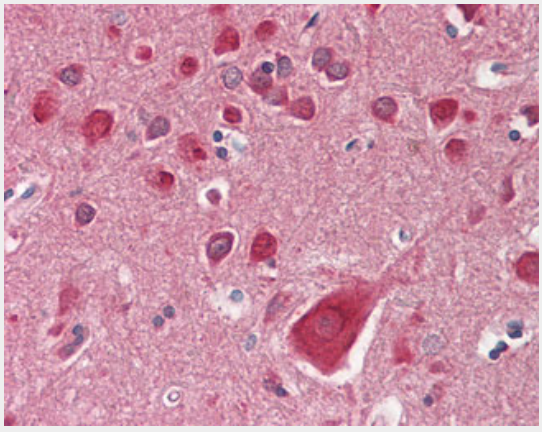
PLCG2 Antibody - Protocols

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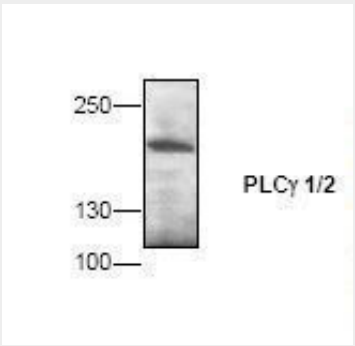
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PLCG2 Antibody - Images



Anti-PLCG2 antibody IHC staining of human brain, cortex.



Western blot of PLCG1 antibody in Jurkat cell lysate.

PLCG2 Antibody - Background

The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. It is a crucial enzyme in transmembrane signaling.

PLCG2 Antibody - References

Ohta S.,et al.FEBS Lett. 242:31-35(1988).
Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
Kemmer D.,et al.BMC Genomics 7:48-48(2006).
Martin J.,et al.Nature 432:988-994(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.