

PLC gamma 2 Antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11546**Specification**

PLC gamma 2 Antibody - Product Information

Application	WB, IHC, IP
Primary Accession	P16885
Other Accession	AAH18646
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	147870

PLC gamma 2 Antibody - Additional Information**Gene ID** 5336**Other Names**

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

Target/Specificity

PLCg2

Formulation

100 µg (0.5 mg/ml) peptide affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Background Descriptions**Precautions**

PLC gamma 2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PLC gamma 2 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}.

PLC gamma 2 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PLC gamma 2 Antibody - Images**PLC gamma 2 Antibody - Background**

PLC (Phosphoinositide-specific phospholipase C) plays a significant role in transmembrane signaling. Four members of PLCs have been identified: PLC β , PLC γ , PLC δ , and PLC ϵ . In response to extracellular stimuli (e.g., hormone, growth factors, neurotransmitters), PLC hydrolyzes phosphatidylinositol 4,5-bisphosphate (PIP₂) into two secondary messengers: inositol 1,4,5-trisphosphate (IP₃) and diacylglycerol (DAG). PLC γ 2 is engaged in antigen-dependent signaling in B-cells and collagen-dependent signaling in platelets.