

Anti-PLCG1 Antibody

Catalog Number: A00677-1

About PLCG1

Mediates the production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3). Plays an important role in the regulation of intracellular signaling cascades. Becomes activated in response to ligand-mediated activation of receptor-type tyrosine kinases, such as PDGFRA, PDGFRB, FGFR1, FGFR2, FGFR3 and FGFR4. Plays a role in actin reorganization and cell migration.

Denis Tvorogov, J. Cell Sci., Feb 2005; 118: 601 - 610.

Brenda J. Irvin, Mol. Cell. Biol., Dec 2000; 20: 9149 - 9161.

Benoit Poulin, J. Biol. Chem., Feb 2000; 275: 6411.

Ichiro Nakamura, J. Cell Biol., Jan 2001; 152: 361.

Overview

Product Name	Anti-PLCG1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PLCG1 Antibody catalog # A00677-1. Tested in WB applications. This antibody reacts with Human,Mouse,Rat.
Application	WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P19174

Technical Details

Immunogen	Synthesized non-phosphopeptide derived from human PLCG1 around the phosphorylation site of tyrosine 771 (P-D-Y-G-A).
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid

Concentration	1 mg/ml
Purification	ProA affinity purified
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:500-1:2000

Anti-PLCG1 Antibody (A00677-1) Images

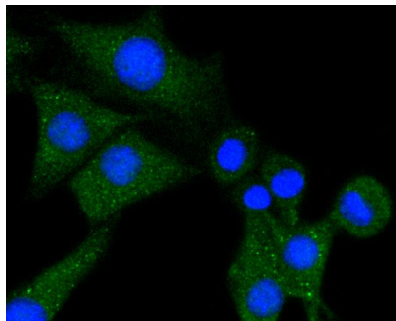


Figure 1. Immunocytochemistry staining of PLCG1 using Anti-PLCG1 Antibody (A00677-1).

ICC staining PLC gamma1 in SHG-44 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde

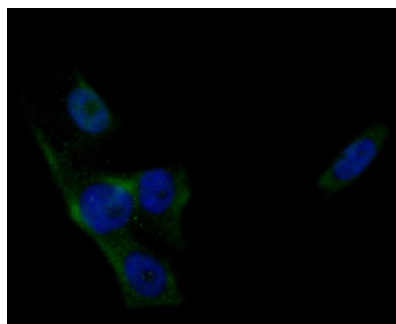


Figure 2. Immunocytochemistry staining of PLCG1 using Anti-PLCG1 Antibody (A00677-1).

ICC staining PLC gamma1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde

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