

Anti-PLCG1/Plc Gamma 1 Rabbit Monoclonal Antibody

Catalog Number: M00677

About PLCG1

Dynamin-related GTPase required for mitochondrial fusion and regulation of apoptosis. May form a diffusion barrier for proteins stored in mitochondrial cristae. Proteolytic processing in response to intrinsic apoptotic signals may lead to disassembly of OPA1 oligomers and release of the caspase activator cytochrome C (CYCS) into the mitochondrial intermembrane space.

Overview

Product Name	Anti-PLCG1/Plc Gamma 1 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PLCG1/Plc Gamma 1 Rabbit Monoclonal Antibody catalog # M00677. Tested in WB, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IF, ICC, WB
Clonality	Monoclonal FAA-16
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
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	A synthesized peptide derived from human PLCG1
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
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 1:1000-1:5000 ICC/IF 1:50-1:200 IP 1:50
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Anti-PLCG1/Plc Gamma 1 Rabbit Monoclonal Antibody (M00677) Images

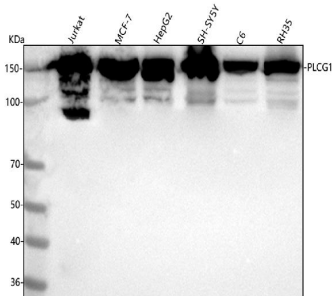


Figure 1. Western blot analysis of PLCG1 using anti-PLCG1 antibody (M00677).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Jurkat whole cell lysates,

Lane 2: human MCF-7 whole cell lysates,

Lane 3: human HepG2 whole cell lysates,

Lane 4: human SH-SY5Y whole cell lysates,

Lane 5: rat C6 whole cell lysates,

Lane 6: rat RH35 whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes.

Blocked the membrane with 5% non-fat milk/TBS for 1.5

hour at RT. The membrane was incubated with rabbit anti-

PLCG1 antigen affinity purified monoclonal antibody (Catalog

M00677) at 1:1000 overnight at 4°C, then washed with

TBS-0.1%Tween 3 times with 5 minutes each and probed

with a goat anti-rabbit IgG-HRP secondary antibody at a

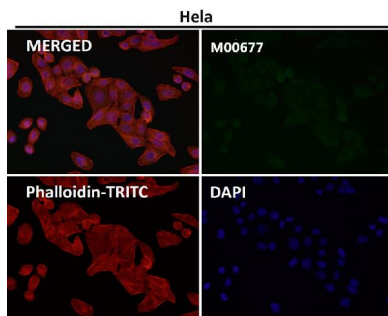
dilution of 1:1000 for 1.5 hour at RT. The signal is developed

using an Enhanced Chemiluminescent detection (ECL) kit

(Catalog # EK1002) with Tanon 5200 system. A specific

band was detected for PLCG1 at approximately 149 kDa. The

expected band size for PLCG1 is at 149 kDa.



Immunofluorescent analysis using the Antibody at 1:50 dilution.

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