

PLC gamma 1 (PLCG1) Rabbit mAb

Catalog No.: A29303 **Recombinant**

Basic Information

Observed MW

150 kDa

Calculated MW

149 kDa

Category

Primary antibody

Applications

WB, IP, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC4156

Background

The protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of receptor-mediated tyrosine kinase activators. For example, when activated by SRC, the encoded protein causes the Ras guanine nucleotide exchange factor RasGRP1 to translocate to the Golgi, where it activates Ras. Also, this protein has been shown to be a major substrate for heparin-binding growth factor 1 (acidic fibroblast growth factor)-activated tyrosine kinase. Two transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:3000 - 1:15000**IP** 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts of
whole cells**IHC-P** 1:200 - 1:12000**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.
For high-ratio antibody
dilutions ($\geq 1:10000$) a
sequential dilution method
is strongly recommended to
ensure measurement
accuracy.

Immunogen Information

Gene ID

5335

Swiss Prot

P19174

Immunogen

This information is considered to be commercially sensitive.

Synonyms

IDAA; PLC1; NCKAP3; PLC-II; PLC148; PLCgamma1

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

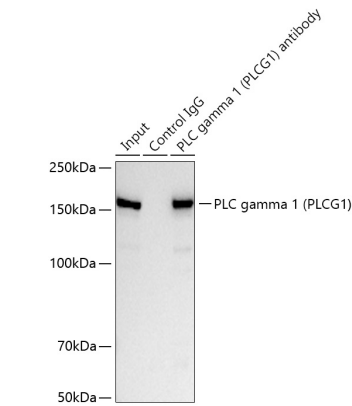
Contact

☎ | 400-999-6126

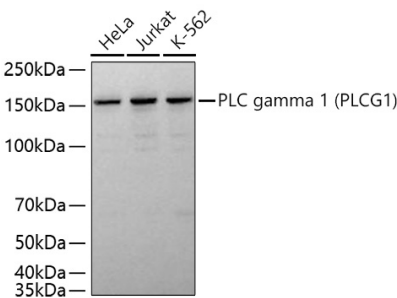
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

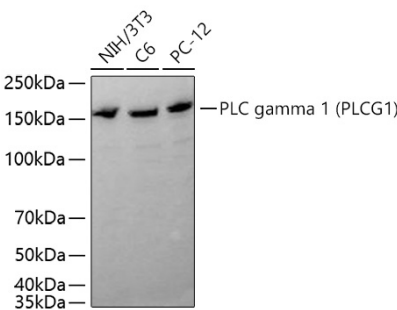
Validation Data



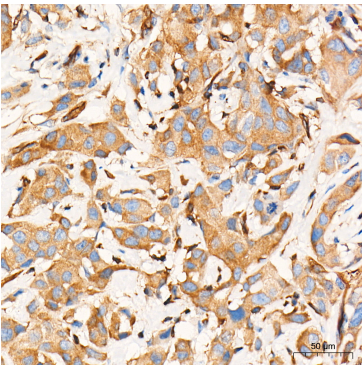
Immunoprecipitation of PLC gamma 1 (PLCG1) from 300 µg extracts of HeLa cells was performed using 1 µg of PLC gamma 1 (PLCG1) Rabbit mAb (A29303). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using PLC gamma 1 (PLCG1) Rabbit mAb (A29303) at a dilution of 1:5000.



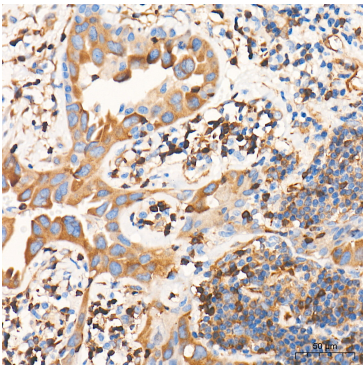
Western blot analysis of various lysates using PLC gamma 1 (PLCG1) Rabbit mAb (A29303) at 1:6000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.



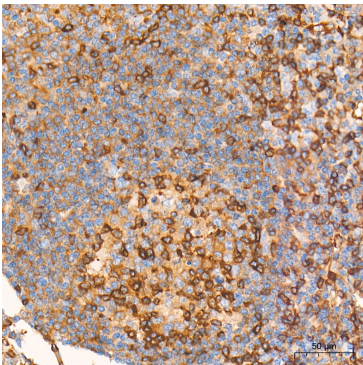
Western blot analysis of various lysates using PLC gamma 1 (PLCG1) Rabbit mAb (A29303) at 1:6000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20 s.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using PLC gamma 1 (PLCG1) Rabbit mAb (A29303).



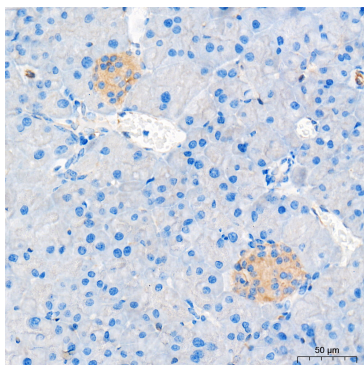
Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using PLC gamma 1 (PLCG1) Rabbit mAb (A29303).



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using PLC gamma 1 (PLCG1) Rabbit mAb (A29303).

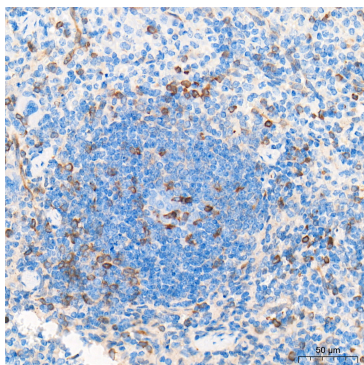
Validation Data

PLC gamma 1 (PLCG1) Rabbit mAb (A29303) at a dilution of 1:600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



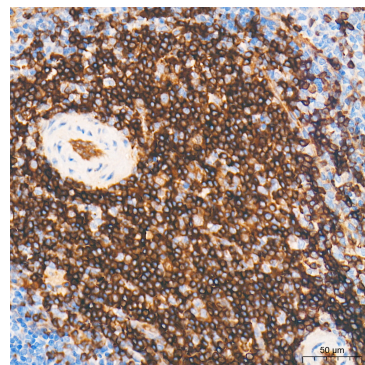
Immunohistochemistry analysis of paraffin-embedded Mouse pancreas tissue using PLC gamma 1 (PLCG1) Rabbit mAb (A29303) at a dilution of 1:600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

PLC gamma 1 (PLCG1) Rabbit mAb (A29303) at a dilution of 1:600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

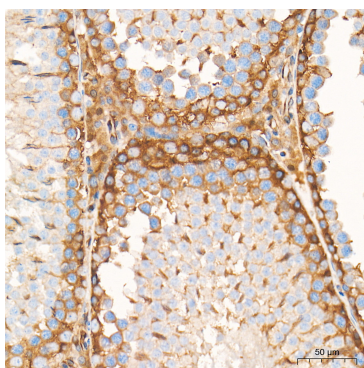


Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using PLC gamma 1 (PLCG1) Rabbit mAb (A29303) at a dilution of 1:600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

gamma 1 (PLCG1) Rabbit mAb (A29303) at a dilution of 1:600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using PLC gamma 1 (PLCG1) Rabbit mAb (A29303) at a dilution of 1:600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using PLC gamma 1 (PLCG1) Rabbit mAb (A29303) at a dilution of 1:600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.