

Datasheet for ABIN7142037

**anti-Phospholipase C gamma 2 antibody (AA 299-528)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µL
Target:	Phospholipase C gamma 2 (PLCG2)
Binding Specificity:	AA 299-528
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Phospholipase C gamma 2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

## Product Details

Immunogen:	Recombinant Human 1-phosphatidylinositol 4, 5-bisphosphate phosphodiesterase gamma-2 protein (299-528AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

## Target Details

Target:	Phospholipase C gamma 2 (PLCG2)
Alternative Name:	PLCG2 ( <a href="#">PLCG2 Products</a> )
Background:	Background: The production of the second messenger molecules diacylglycerol (DAG) and

## Target Details

inositol 1, 4, 5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. It is a crucial enzyme in transmembrane signaling.

Aliases: 1 phosphatidylinositol 4 5 biphosphate phosphodiesterase gamma 2 antibody, 1-phosphatidylinositol-4 antibody, 5-bisphosphate phosphodiesterase gamma-2 antibody, EC 3.1.4.11 antibody, Phosphoinositide phospholipase C antibody, Phosphoinositide phospholipase C-gamma-2 antibody, Phospholipase C gamma 2 antibody, Phospholipase C, gamma 2 (phosphatidylinositol specific) antibody, Phospholipase C-gamma-2 antibody, Phospholipase C-IV antibody, PLC 2 antibody, PLC gamma 2 antibody, PLC IV antibody, PLC-gamma-2 antibody, PLC-IV antibody, Plcg2 antibody, PLCG2\_HUMAN antibody

UniProt: [P16885](#)

Pathways: [RTK Signaling](#), [WNT Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Inositol Metabolic Process](#), [Myometrial Relaxation and Contraction](#), [Toll-Like Receptors Cascades](#), [VEGF Signaling](#), [BCR Signaling](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

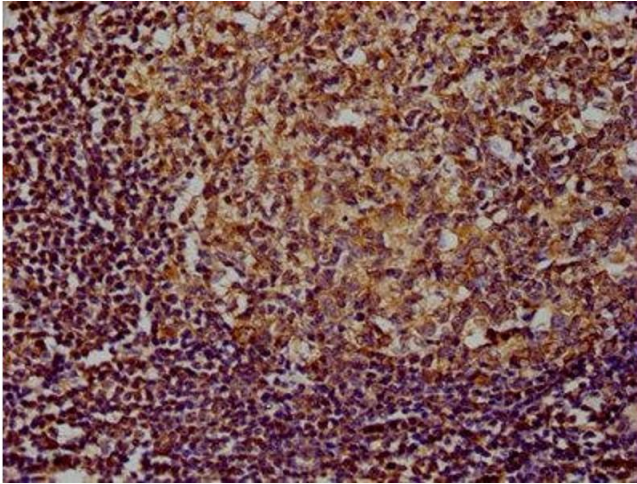
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

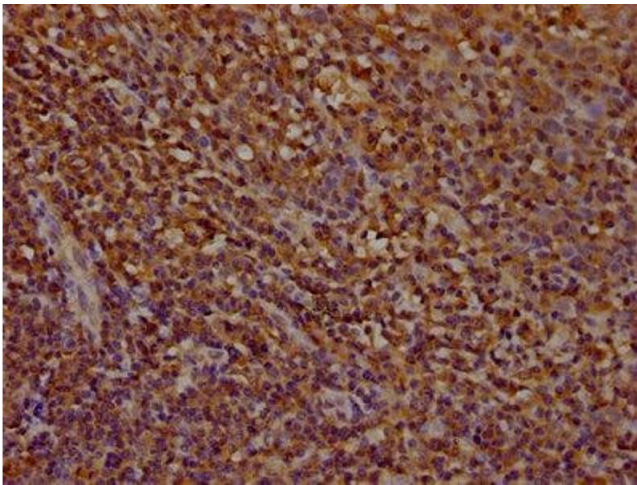
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunohistochemistry

**Image 1.** IHC image of ABIN7142037 diluted at 1:100 and staining in paraffin-embedded human lymph node tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### Immunohistochemistry

**Image 2.** IHC image of ABIN7142037 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.