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# anti-Phospholipase C gamma 1 antibody (pTyr771)



**Images** 



#### Overview

Quantity:	100 μL
Target:	Phospholipase C gamma 1 (PLCG1)
Binding Specificity:	pTyr771
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Phospholipase C gamma 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

#### **Product Details**

Immunogen:	A synthesized peptide derived from human PLCG1 around the phosphorylation site of Tyrosine 771
Isotype:	IgG
Specificity:	Phospho-PLCG1 (Tyr771) Antibody detects endogenous levels of PLCG1 only when phosphorylated at Tyrosine 771
Cross-Reactivity:	Human, Monkey, Mouse (Murine), Rat (Rattus)
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

## **Target Details**

Phospholipase C gamma 1 (PLCG1)
PLCG1 (PLCG1 Products)
Description: 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.  Gene: PLCG1
155kDa
5335
P19174
RTK Signaling, WNT Signaling, TCR Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Thyroid Hormone Synthesis, Inositol Metabolic Process, Myometrial Relaxation and Contraction, Regulation of Muscle Cell Differentiation, Regulation of G-Protein Coupled Receptor Protein Signaling, Skeletal Muscle Fiber Development, G-protein mediated Events, Signaling Events mediated by VEGFR1 and VEGFR2, Interaction of EGFR with phospholipase C-gamma, VEGFR1 Specific Signals, VEGF Signaling

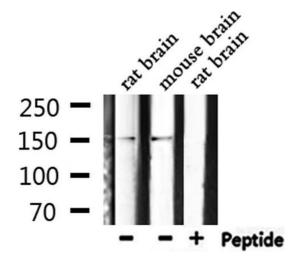
## **Application Details**

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

#### Handling

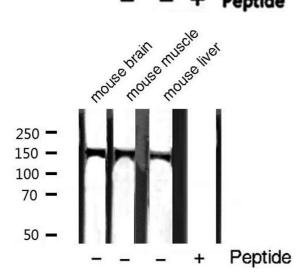
Storage:	-20 °C
Storage Comment:	Store at -20 °C.Stable for 12 months from date of receipt
Expiry Date:	12 months

#### **Images**



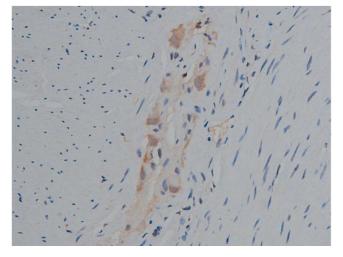
#### **Western Blotting**

**Image 1.** Western blot analysis of extracts from rat brain, mouse brain, using Phospho-PLCG1 (Tyr771) Antibody.



#### **Western Blotting**

**Image 2.** Western blot analysis of extracts of various tissue sample, using Phospho-PLCG1 (Tyr771) Antibody.



#### **Immunohistochemistry**

**Image 3.** ABIN6267420 at 1/50 staining human colon carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

Please check the product details page for more images. Overall 6 images are available for ABIN6256799.