

Anti-Phospholipase C gamma 1 Rabbit Monoclonal Antibody

Introduction

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.

Product parameters

| | |
|-------------------|--|
| Alternative Names | PLCG1; PLC1; 1-phosphatidylinositol 4; 5-bisphosphate phosphodiesterase gamma-1; PLC-148; Phosphoinositide phospholipase C-gamma-1; Phospholipase C-II; PLC-II; Phospholipase C-gamma-1; PLC-gamma-1 |
| Gene ID | 5335 |
| Gene Name | PLCG1 |
| SwissProt ID | P19174 |
| Host | Rabbit |
| Reactivity | Human, Rat |
| Molecular Weight | Calculated MW: 149 kDa; Observed MW: 149 kDa |
| Conjugation | Unconjugated |
| Ex | - |
| Em | - |
| Modification | Unmodified |
| Clonality | IgG |
| Isotype | Monoclonal Antibody |
| Clonality No. | AP-18D9E3 |
| Form | Liquid |
| Concentration | See label |
| Carrier | Carrier Not Free |
| Immunogen | A synthetic peptide of human Phospholipase C gamma 1/PLC-gamma-1 |
| Purification | Affinity Purified |
| Buffer System | 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA. |
| Application | WB, ICC/IF, IP |
| Dilution Ratio | WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20 |

| | |
|--------------------|----------------------------------|
| Research Field | Cardiovascular |
| Product Categories | Primary antibody |
| Shipping | Blue ice |
| Storage | -20°C |
| Expiration Date | 12 months |
| Note | Please avoid freeze-thaw cycles. |



Protocol

Configure the product according to the application range and recommended dilution ratio.

***Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

Note

1. This product is for scientific research use only.





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