# PLCγ1(Phospho Ser1248) Rabbit Polyclonal Antibody

产品详情

| 产品货号 | 产品名称 | 储存条件 | 保质期 |
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| IM59576 | PLCγ1(Phospho Ser1248)Rabbit Polyclonal Antibody | -20℃ | 1年 |

## 产品概述：

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| 产品货号 | IM59576 |
| 别名 | 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1 (EC 3.1.4.11)(PLC-148)(Phosphoinositide phospholipase C-gamma-1) (Phospholipase C-II) (PLC-II)(Phospholipase C gamma-1)(PLC-gamma -1);PLC1. |
| 产品名称 | PLCγ1(Phospho Ser1248)Rabbit Polyclonal Antibody |
| 类别 | 抗体产品 |
| 基因名称 | PLCG1 |
| 蛋白名称 | PLCγ1(Ser1248) |
| 推荐应用 | WB,IHC-P |
| 反应种属 | Human,Mouse |
| 浓度 | 1mg/ml |
| 存储缓冲液 | Liquid in PBS containing 50% glycerol,0.5% BSA and 0.02% New type preservative N. |
| Human Gene ID | 5335 |

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| Human Swissprot No. | P19174 |
| Mouse Gene ID | 18803 |
| Mouse Swissprot No. | Q62077 |
| Rat Gene ID | 25738 |
| Rat Swissprot No. | P10686 |
| 免疫原 | Synthesized phosho peptide around human PLCγ1(Ser1248) |
| 特异性 | This antibody detects endogenous levels of Human Mouse PLCγ1 (phospho-Ser1248) |
| 稀释度 | WB 1:500-2000,IHC-P 1:50-300 |
| 预测分子量 | 150kDa |
| 运输及保存条件 | -20℃/1 year |
| 宿主 | Rabbit |
| 同种型 | Rabbit,IgG |
| 背景介绍 | 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 |

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| 背景介绍 | growth factor)-activated tyrosine kinase.Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq,Jul 2008]. |
| 组织表达 | Brain,Epithelium,Testis,Vein. |
| 细胞定位 | Cell projection, lamellipodium.Cell projection,ruffle.Rapidly redistributed to ruffles and lamellipodia structures in response to epidermal growth factor(EGF)treatment. |
| 信号通路 | Inositol phosphate metabolism;ErbB_HER;Calcium;Phosphatidylinositol signaling system;VEGF;Natural killer cell mediated cytotoxicity;T_Cell_Receptor;Fc epsilon RI;Fc gamma R mediated phagocytosis;Leukocyte transendothelial migration;Neurotrophin;Vibrio cholerae infection;Epithelial cell signaling in Helicobacter pylori infection;Pathways in cancer;Glioma;Non small cell lung cancer. |
| 功能 | Catalytic activity:1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate+H(2)O=1D-myo-inositol 1,4,5-trisphosphate+diacylglycerol.cofactor:Calcium.domain:The SH3 domain mediates interaction with CLNK(By similarity).The SH3 domain also mediates interaction with RALGPS1.function:PLC-gamma is a major substrate for heparin-binding growth factor 1(acidic fibroblast growth factor)-activated tyrosine kinase.PTM:The receptor-mediated activation of PLC gamma-1 and PLC-gamma-2 involves their phosphorylation by tyrosine kinases in response to ligation of a variety of growth factor receptors and immune system receptors.PTM:Ubiquitinated by CBLB in activated T-cells.similarity:Contains 1 C2 domain.similarity:Contains 1 EF-hand domain.similarity:Contains 1 PH domain.similarity:Contains 1 PI-PLC X-box domain.similarity:Contains 1 PI-PLC Y-box domain.similarity Contains 1 SH3 domain.similarity:Contains 2 |

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| 功能 | PH domains.similarity:Contains 2 SH2 domains.similarity:Contains 3 PH domains.subunit:Interacts with AGAP2 via its SH3 domain(By similarity).Interacts with phosphorylated LAT upon TCR activation. Interacts with the Pro-rich domain of TNK1 via its SH3 domain.Associates with BLNK,VAV1,GRB2 and NCK1 in a B-cell antigen receptor-dependent fashion.Interacts with CBLB in activated T-cells;which inhibits phosphorylation.Interacts with SHB. Interacts via its SH3 domain with the Arg/Gly-rich-flanked Pro-rich domains of KHDRBS1/ SAM68.This interaction is selectively regulated by arginine methylation of KHDRBS1/SAM68.Interacts with INPP5D/SHIP1 and CLNK(By similarity).Interacts with RALGPS1. Interacts(via SH3 domain)with HEV ORF3 protein. |
| 纯化 | The antibody was affinity-purified from rabbit serum by affinity -chromatography using specific immunogen. |
| Clonality | Polyclonal |

## 注意事项：

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