

PLCg2(phospho-Tyr1217) Antibody

Catalog No: #11524

Package Size: #11524-1 50ul #11524-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

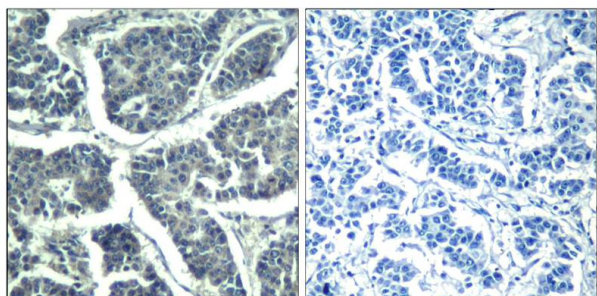
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|-----------------------|---|
| Product Name | PLCg2(phospho-Tyr1217) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications | IHC |
| Species Reactivity | Hu Ms Rt |
| Specificity | The antibody detects endogenous level of PLC-g2 onlywhen phosphorylated at tyrosine 1217. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around phosphorylation site of tyrosine 1217 (F-L-Y(p)-D-T) derived from Human PLCg2. |
| Target Name | PLCg2 |
| Modification | Phospho |
| Other Names | PLC-IV; PLC-gamma2; Phospholipase C-gamma-2 |
| Accession No. | Swiss-Prot: P16885NCBI Protein: NP_002652.2 |
| Uniprot | P16885 |
| GeneID | 5336; |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use. |

Application Details

Predicted MW: 150kd

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PLC-g2(Phospho-Tyr1217) Antibody #11524(left) or the same antibody preincubated with blocking peptide(right).

Background

The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. It is a crucial enzyme in transmembrane signaling.

Yue, C. et al. (1998) J. Biol. Chem. 273, 18023-18027.

Yue, C. et al. (2000) J. Biol. Chem. 275, 30220-30225.

Margolis, B. et al. (1989) Cell 57, 1101-1107.

Note: This product is for in vitro research use only