

## PLC-g2(Ab-1217) Antibody

Catalog No: #21524

Package Size: #21524-1 50ul #21524-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

|                       |   |
|-----------------------|---|
| Product Name          | PLC-g2(Ab-1217) Antibody  |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications          | IHC IF  |
| Species Reactivity    | Hu Ms Rt  |
| Specificity           | The antibody detects endogenous level of total PLC-g2 protein.  |
| Immunogen Type        | Peptide-KLH   |
| Immunogen Description | Peptide sequence around aa.1215~1219 (F-L-Y-D-T) derived from Human PLCg2.  |
| Target Name           | PLC-g2  |
| 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 Mg2+ and Ca2+), 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.   |

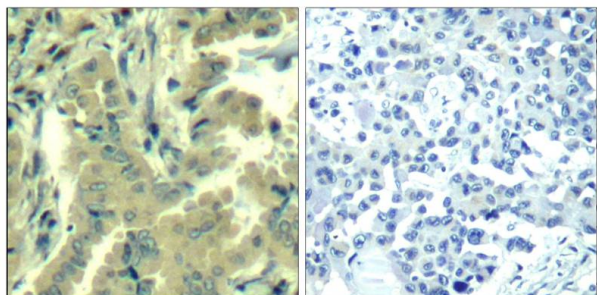
## Application Details

Predicted MW: 150kd

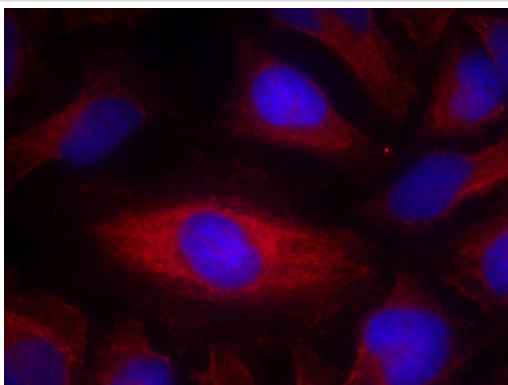
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

## Images



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using PLC-g2(Ab-1217) Antibody #21524(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using PLC-g2(Ab-1217) Antibody #21524.

## 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.

Singer, W. D. et al. (1997) Annu. Rev. Biochem. 66, 475-509.

Smrcka, A. V. et al. (1991) Science 251, 804-807.

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

Watanabe, D. et al. (2001) J. Biol. Chem. 276, 38595-38601.

Note: This product is for in vitro research use only