

PLCg2(phospho-Tyr1217) Antibody

Catalog No: #11524

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

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Description

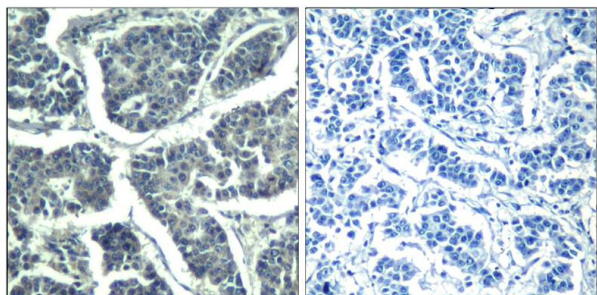
Product Name	PLCg2(phospho-Tyr1217) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific 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.
Conjugates	Unconjugated
Target Name	PLCg2
Modification	Phospho
Other Names	PLC-IV; PLC-gamma2; Phospholipase C-gamma-2
Accession No.	Swiss-Prot: P16885NCBI Protein: NP_002652.2
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 and is not intended for use in humans or animals.