



PLC γ 2 (Phospho-Tyr1217) Antibody

#11524

Catalog Number: 11524-1, 11524-2

Amount: 50 μ g/50 μ l, 100 μ g/100 μ l

Swiss-Prot No. : P16885

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from Human PLC γ 2 around the phosphorylation site of tyrosine 1217 (F-L-Y_p-D-T).

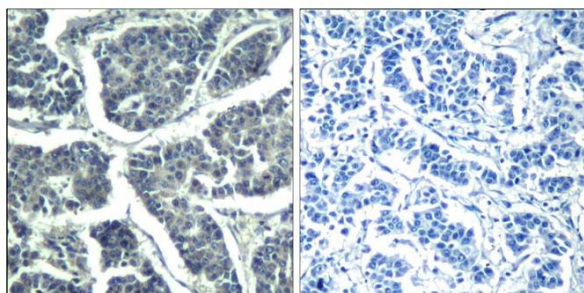
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

Specificity/Sensitivity: PLC γ 2 (phospho-Tyr1217) antibody detects endogenous levels of PLC γ 2 only when phosphorylated at tyrosine 1217.

Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 150 kd IHC: 1:50~1:100



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PLC- γ 2 (phospho-Tyr1217) Antibody (#11524).

P-Peptide - +

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.

References:

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.