



PLC γ 1 (Phospho-Tyr771) Antibody

#11523

Catalog Number: 11523-1, 11523-2

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

Swiss-Prot No. : P19174

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 1 around the phosphorylation site of tyrosine 771 (P-D-Y_P-G-A).

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.

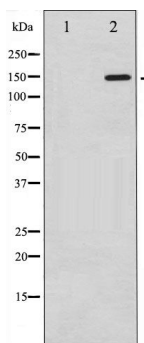
Specificity/Sensitivity: PLC γ 1 (phospho-Tyr771) antibody detects endogenous levels of PLC γ 1 only when phosphorylated at tyrosine 771.

Reactivity: Human, Mouse, Rat

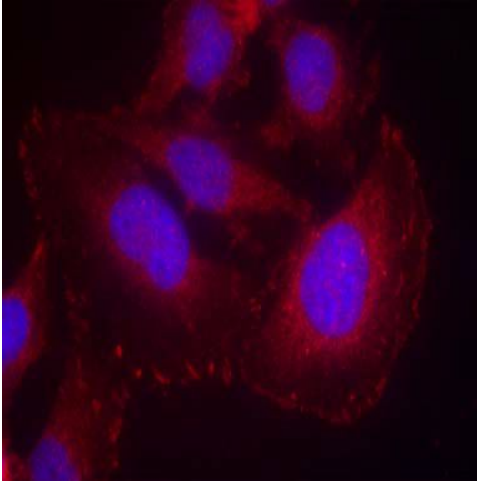
Applications:

Predicted MW: 155 kd

WB :1:500~1:1000 IHC :1:50~1:200 IF :1:100~1:200



Western blot analysis of PLCG1 phosphorylation expression in EGF treated COS7 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



Immunofluorescence staining of methanol-fixed HeLa cells using PLC- γ 1 (phospho-Tyr771)Antibody (#11523, Red).

Background :

PLC-gamma is a major substrate for heparin-binding growth factor 1 (acidic fibroblast growth factor)-activated tyrosine kinase.

References:

- Yue, C. et al. (1998) J. Biol. Chem. 273, 18023-18027.
- Margolis, B. et al. (1989) Cell 57, 1101-1107.
- Yue, C. et al. (2000) J. Biol. Chem. 275, 30220-30225.