PLC γ 2 (Ab-753) Antibody

#21186

Catalog Number: 21186-1, 21186-2

Amount: 50μg/50μl, 100μg/100μl

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℃/1 year

Immunogen: The antiserum was produced against synthesized non-phosphopeptide derived from Human PLCγ2 around the phosphorylation site of tyrosine 753 (S-L-Yp-D-V).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

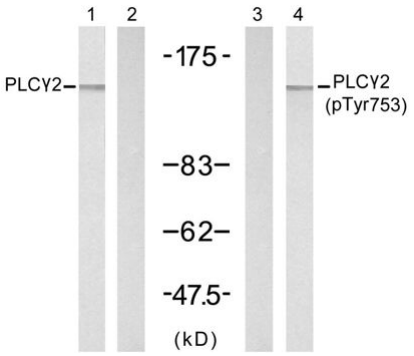
Specificity/Sensitivity:PLCγ2 (Ab-753) antibody detects endogenous levels of total PLCγ2 protein

Reactivity: Human,Mouse,Rat

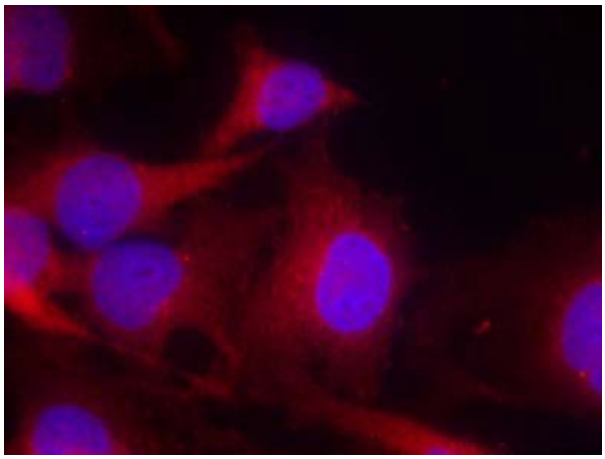
Applications:

Predicted MW: 150 kd

WB **:**1:500~1:1000 IF:1:100~1:200



Western blot analysis of extract from A431 cells, untreated or treated with EGF (200ng/ml, 5min), using PLCγ2 (Ab-753) antibody (#21186, Lane 1 and 2) and PLCγ2 (phospho-Tyr753) antibody (#11175, Lane 3 and 4).



Immunofluorescence staining of methanol-fixed HeLa cells using PLCγ2 (Ab-753) antibody (#21186, Red).

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:

Kim YJ, et al. (2004) Mol Cell Biol 24: 9986-9999
Humphries LA, et al. (2004) J Biol Chem 279 : 37651-37661
Suzuki-Inoue K, et al. (2004) Biochem J 378 : 1023-1029
Rodriguez R, et al. (2003) Biochem J 374 : 269-280