

## PLCg2(Phospho-Tyr753) Antibody

Catalog No: #11175

Package Size: #11175-1 50ul #11175-2 100ul

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## Description

Product Name	PLCg2(Phospho-Tyr753) 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	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of PLCg2 only when phosphorylated at tyrosine 753.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 753 (S-L-Y(p)-D-V) derived from Human PLCg2.
Target Name	PLCg2
Modification	Phospho
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 Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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.

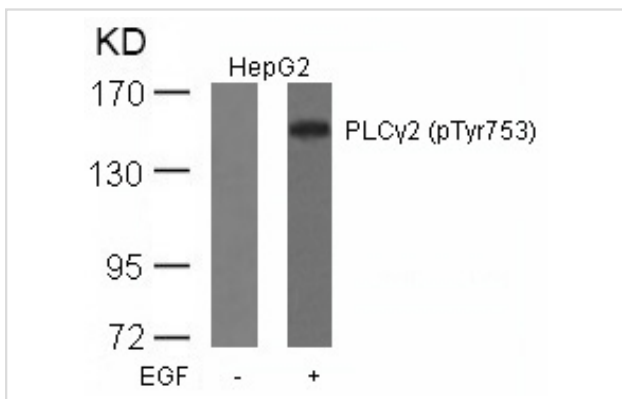
## Application Details

Predicted MW: 150kd

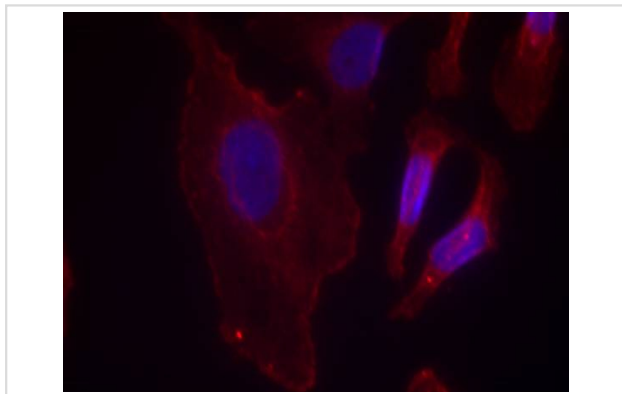
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

## Images



Western blot analysis of extracts from HepG2 cells untreated or treated with EGF using PLCγ2(Phospho-Tyr753) Antibody #11175.



Immunofluorescence staining of methanol-fixed HeLa cells using PLCγ2(Phospho-Tyr753) Antibody #11175.

## 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.

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

Note: This product is for in vitro research use only