

# PLCg2(Ab-753) Antibody

Catalog No: #21186



Package Size: #21186-1 50ul #21186-2 100ul #21186-4 25ul

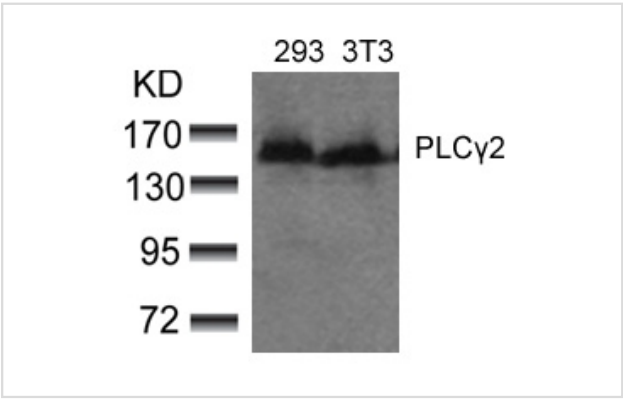
## Overview

|                    |                                                            |
|--------------------|------------------------------------------------------------|
| Product Name       | PLCg2(Ab-753) Antibody                                     |
| Host Species       | Rabbit                                                     |
| Clonality          | Polyclonal                                                 |
| Applications       | WB IF                                                      |
| Species Reactivity | Hu Ms Rt                                                   |
| Immunogen Type     | Peptide-KLH                                                |
| Target Name        | PLCg2                                                      |
| Alternative Names  | Phosphoinositide phospholipase C; Phospholipase C-gamma-2; |

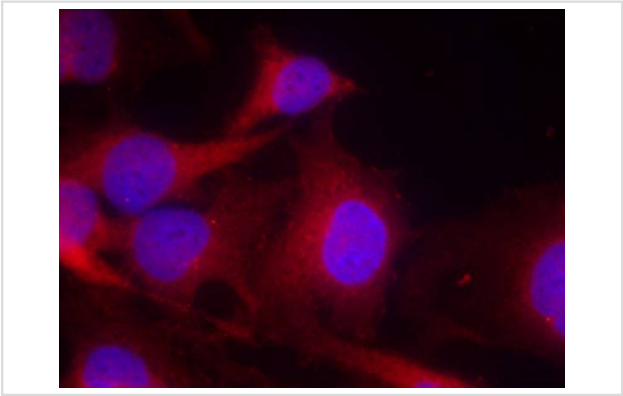
## Application Details

|                                 |
|---------------------------------|
| Predicted MW: 150kd             |
| Western blotting: 1:500~1:1000  |
| Immunofluorescence: 1:100~1:200 |

## Images



Western blot analysis of extracts from 293 and 3T3 cells using PLCg2(Ab-753) Antibody #21186.



Immunofluorescence staining of methanol-fixed Hela cells using PLCg2(Ab-753) Antibody #21186.

## Descriptions

|               |                                                                                                                                                                               |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen     | Peptide sequence around aa. 751~755 (S-L-Y-D-V) derived from Human PLCg2.                                                                                                     |
| Specificity   | The antibody detects endogenous level of total PLCg2 protein.                                                                                                                 |
| Purification  | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| 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.                                                                                     |
| Accession NO. | Swiss-Prot: P16885NCBI Protein: NP_002652.2                                                                                                                                   |

## Related Information

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 and is not intended for use in humans or animals.