

Datasheet for ABIN1531237

**anti-Phospholipase C gamma 2 antibody (pTyr753)**[Go to Product page](#)**2** Images

## Overview

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| Quantity:            | 100 µL                                                   |
| Target:              | Phospholipase C gamma 2 (PLCG2)                          |
| Binding Specificity: | AA 721-770, pTyr753                                      |
| Reactivity:          | Human, Rat, Mouse                                        |
| Host:                | Rabbit                                                   |
| Clonality:           | Polyclonal                                               |
| Conjugate:           | This Phospholipase C gamma 2 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), ELISA |

## Product Details

|               |                                                                                                                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | The antiserum was produced against synthesized peptide derived from human PLCG2 around the phosphorylation site of Tyr753.                                                                                        |
| Isotype:      | IgG                                                                                                                                                                                                               |
| Specificity:  | PLCG2 (Phospho-Tyr753) Antibody detects endogenous levels of PLCG2 only when phosphorylated at Tyr753.<br>PhosphorylationH:Y753 M:Y753 R:Y753                                                                     |
| Purification: | The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide. |
| Purity:       | > 95 %                                                                                                                                                                                                            |

### Target Details

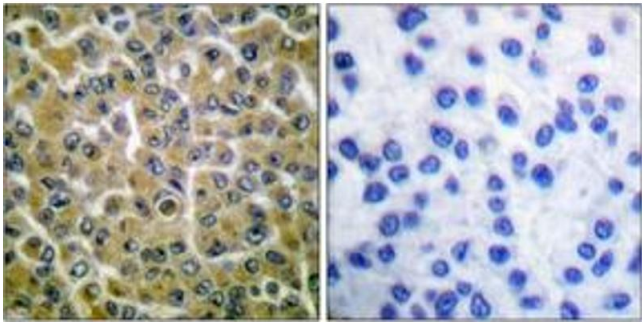
|                   |                                                                                                                                                                                                                                                                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | Phospholipase C gamma 2 (PLCG2)                                                                                                                                                                                                                                                                                                            |
| Alternative Name: | PLCG2 ( <a href="#">PLCG2 Products</a> )                                                                                                                                                                                                                                                                                                   |
| Background:       | Synonyms: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma 2, phospholipase C-gamma-2, PLC-gamma2, PLC-IV<br>NCBI Gene Symbol: PLCG2                                                                                                                                                                                        |
| Molecular Weight: | 147 kDa                                                                                                                                                                                                                                                                                                                                    |
| Gene ID:          | 5336                                                                                                                                                                                                                                                                                                                                       |
| OMIM:             | 600220                                                                                                                                                                                                                                                                                                                                     |
| UniProt:          | <a href="#">P16885</a>                                                                                                                                                                                                                                                                                                                     |
| Pathways:         | <a href="#">RTK Signaling</a> , <a href="#">WNT Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">VEGF Signaling</a> , <a href="#">BCR Signaling</a> |

### Application Details

|                    |                                                     |
|--------------------|-----------------------------------------------------|
| Application Notes: | WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:5000      |
| Comment:           | Unigene-Number: Hs.413111 (NCBI Gene Symbol: PLCG2) |
| Restrictions:      | For Research Use only                               |

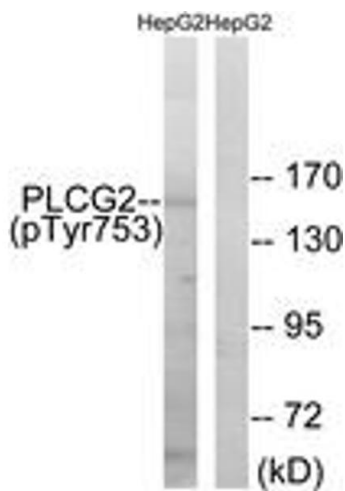
### Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 1 mg/mL                                                                                                                |
| Buffer:            | phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.         |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                                 |
| Storage Comment:   | Stable at -20°C for at least 1 year.                                                                                   |
| Expiry Date:       | 12 months                                                                                                              |



Immunohistochemistry

**Image 1.** Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using PLCG2 (Phospho-Tyr753) Antibody. The picture on the right is treated with the synthesized peptide.



Western Blotting

**Image 2.** Western blot analysis of extracts from HepG2 cells treated with Na3VO4 0.3mM 40', using PLCG2 (Phospho-Tyr753) Antibody. The lane on the right is treated with the synthesized peptide.