

## PLCG2 Antibody | anti-PLCG2 antibody

PLCG2 (Phospho-Tyr1217) Antibody

|                               |                                        |                                                                                      |
|-------------------------------|----------------------------------------|--------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA111887</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------------------|--------------------------------------------------------------------------------------|

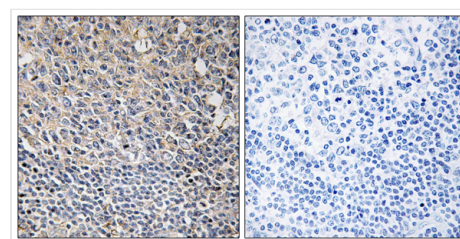
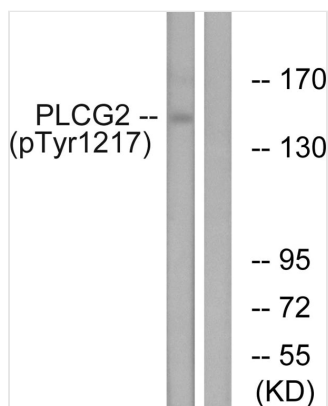
### PRODUCT SYNONYMS

PLCG2; PLCG2 (Phospho-Tyr1217) Antibody; 1-phosphatidylinositol-4; 5-bisphosphate phosphodiesterase gamma 2; EC 3.1.4.11; PLC-IV; PLC-gamma2; Phospholipase C-gamma-2; anti-PLCG2 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| Specificity                                     | PLCG2 (Phospho-Tyr1217) antibody detects endogenous levels of PLCG2 only when phosphorylated at tyrosine 1217.                                                                                                                                      |
| Purity/Purification                             | 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. |
| Form/Format                                     | In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                      |
| Sequence Length                                 | 1265                                                                                                                                                                                                                                                |
| Applicable Applications for anti-PLCG2 antibody | ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                       |
| Immunogen                                       | The antiserum was produced against synthesized phosphopeptide derived from human PLCG2 around the phosphorylation site of tyrosine 1217 (L-F-L-YP-D-T).                                                                                             |
| All Sites                                       | Human: Tyr1217<br>Mouse: Tyr1217<br>Rat: Tyr1217                                                                                                                                                                                                    |
| Preparation and Storage                         | Store at -20 degree C for 1 year.                                                                                                                                                                                                                   |

### IMAGES



Application Data  
P-peptide-+

#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human tonsil tissue using PLCG2 (Phospho-Tyr1217) antibody. Western blot analysis of extracts from Jurkat cells, treated with UV (15mins), using PLCG2 (Phospho-Tyr1217) antibody.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                           |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-PLCG2 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells         |
| References                                        | Anouk Caraux, Blood, Feb 2006; 107: 994-1002. Yeun Ju Kim, Mol. Cell. Biol., Nov 2004; 24: 9986-9999. Jill C. Todt, J. Leukoc. Biol., Apr 2004; 75: 705-713. Marie-Pierre Gratacap, J. Biol. Chem., Sep 1998; 273: 24314. |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| NCBI GI #                        | 117320537                                                         |
| NCBI GeneID                      | 5336                                                              |
| NCBI Accession #                 | NP_002652.2                                                       |
| NCBI GenBank Nucleotide #        | NM_002661.4                                                       |
| UniProt Accession #              | P16885; Q3ZTS2; Q59H45; Q969T5; D3DUL3                            |
| Molecular Weight                 | 147,870 Da                                                        |
| NCBI Official Full Name          | 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2 |
| NCBI Official Synonym Full Names | phospholipase C gamma 2                                           |
| NCBI Official Symbol             | PLCG2                                                             |
| NCBI Official Synonym Symbols    | FCAS3; APLAID; PLC-IV; PLC-gamma-2                                |
| NCBI Protein Information         | 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2 |
| UniProt Protein Name             | 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2 |
| UniProt Gene Name                | PLCG2                                                             |
| UniProt Synonym Gene Names       | PLC-IV; PLC-gamma-2                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-mouse-rat-antibody/plcg2/111887>