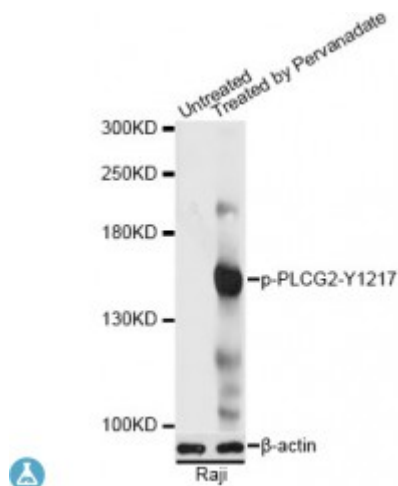


## Anti-Phospho-PLCG2-(Y1217) Antibody



### Description

The protein encoded by this gene is a transmembrane signaling enzyme that catalyzes the conversion of 1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate to 1D-myo-inositol 1,4,5-trisphosphate (IP3) and diacylglycerol (DAG) using calcium as a cofactor. IP3 and DAG are second messenger molecules important for transmitting signals from growth factor receptors and immune system receptors across the cell membrane. Mutations in this gene have been found in autoinflammation, antibody deficiency, and immune dysregulation syndrome and familial cold autoinflammatory syndrome 3.

<b>Model</b>	STJ117903
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Applications</b>	WB
<b>Immunogen</b>	A synthetic phosphorylated peptide around Y1217 of human PLCG2 (NP_002652.2).
<b>Gene ID</b>	<a href="#">5336</a>
<b>Gene Symbol</b>	<a href="#">PLCG2</a>
<b>Dilution range</b>	WB 1:500 - 1:2000
<b>Purification</b>	Affinity purification
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2
<b>Molecular Weight</b>	147.87 kDa

<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Storage Instruction</b>	Store at -20C. Avoid freeze / thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:9066OMIM:600220Reactome:R-HSA-114604</a>
<b>Alternative Names</b>	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2
<b>Function</b>	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
<b>Post-translational Modifications</b>	Phosphorylated on tyrosine residues by CSF1R , Phosphorylated on tyrosine residues by BTK and SYK

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