

## Recombinant Phospho-PLC $\gamma$ 1 (Tyr783) Monoclonal Antibody

catalog number: AN300148L

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	A synthetic phosphopeptide corresponding to residues around Tyr783 of the Human PLC $\gamma$ 1
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	4B14
<b>Purification</b>	Protein A
<b>Buffer</b>	10 mM sodium HEPES, 150 mM NaCl, 100 $\mu$ g/mL protein protectant, 50% glycerol, pH 7.5

### Applications Recommended Dilution

<b>WB</b>	1:500-1:5000
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### Preparation & Storage

<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Shipping</b>	Ice bag

### Background

The protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of receptor-mediated tyrosine kinase activators. For example, when activated by SRC, the encoded protein causes the Ras guanine nucleotide exchange factor RasGRP1 to translocate to the Golgi, where it activates Ras. Also, this protein has been shown to be a major substrate for heparin-binding growth factor 2 (acidic fibroblast growth factor)-activated tyrosine kinase. Two transcript variants encoding different isoforms have been found for this gene.

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