

## PLCy1 Rabbit Monoclonal Antibody

### Catalog #: EAB21694

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Monoclonal	WB, IP, IF/ICC	150	Human, Mouse, Rat, Monkey

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB(Western Blotting)	1:500-2000
IP(Immunoprecipitation)	1:10-100
IF/ICC(Immunofluorescence/Immunocytochemistry)	1:20-200

### Product Information

Conjugate	Unconjugate
Specificity	PLCy1 Rabbit Monoclonal Antibody detects endogenous levels of PLCy1 protein.
Purification	Affinity purification
Concentration	1mg/ml
Format	Liquid
Formulation	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol
Shipping	Gel Pack
Storage	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks
UniProt ID	<a href="#">P19174</a>
Entrez-Gene Id	<a href="#">5335</a>

### Product Description

Phospholipase C-gamma 1 (PLC g1) is an isozyme of the phosphoinositide-specific PLC family, which occupies a central role in hormonal signal transduction pathways and is a substrate for the epidermal growth factor receptor tyrosine kinase. Following activation of TrkB, PLC g1 is phosphorylated on Tyrosine 783, Tyrosine 771 and Tyrosine 1253. Tyrosine 783 lies just downstream of the kinase domain in a relatively short sequence motif characteristic of the Trk family of protein-tyrosine kinase receptors. The sequence around Tyrosine 783 fits a consensus sequence for binding PLC g1. PLC g1 also forms a complex with TrkB consistent with the possibility that one of the TrkB autophosphorylation sites provides a binding site for the PLC g1 SH2 domains, as is the case for other receptor protein-tyrosine kinases.

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