Anti-Phospho-PLCG1 (Tyr783) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108368

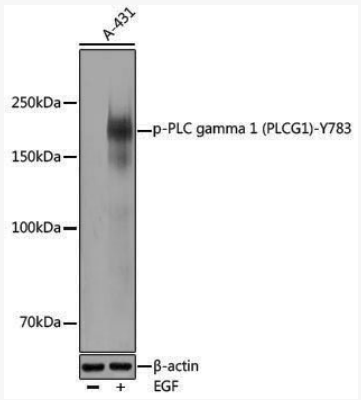
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse
Dilution	WB 1:500~1:1000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around Y783 of human PLC gamma 1 (PLCG1) (NP_877963.1?).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-PLCG1 (Tyr783) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	PLC1; NCKAP3; PLC-II; PLC148; PLCgamma1; Phospho-PLC gamma 1 (PLCG1)-Y783.
Calculated MW	Calculated MW: 149 kDa; Observed MW: 155 kDa
Uniprot ID	P19174
Gene ID	5335
RRID	AB_3752613
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 1 (acidic fibroblast growth factor)-activated tyrosine kinase. Two transcript variants encoding different isoforms have been found for this gene.

Validation Images



Western blot analysis of lysates from A-431 cells, using Phospho-PLC gamma 1 (PLCG1)-Y783 Rabbit pAb (P108368) at 1:1,000 dilution. A-431 cells were treated by EGF (25 µg/mL) at 37°C for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 30s.