Data Sheet (Cat.No.TMAC-03375)

Anti-Phospho-PLCγ1 (Ser1248) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Actual: 150 kDa.
Purification:	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

Applications

Application:	WB
Recommended	WB: 1:1000-2000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized phosphopeptide: human PLCγ1 around the phosphorylation site of Ser1248
Antigen Species:	Human
Uniprot ID:	P19174
Synonyms:	PLCγ1 (p-S1248);PLC1;PLC-II;PLC gamma 1;PLC γ1;p-PLCγ1 (S1248);PLC gamma1;IDAA;PLC γ1; PLC γ 1;PLC148;PLC γ 1;PLCγ1;Phospho-PLCγ1 (S1248);NCKAP3;PLCγ1 (p-Ser1248); PLCgamma1;p-PLCγ1 (Ser1248)

Research Background

phospholipase C gamma 1(PLCG1) Homo sapiens 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. [provided by RefSeq, Jul 2008],

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