

Mouse Monoclonal Antibody to PLCG1

Catalogue Number	sAP-1454
Target Molecule	<p>Name: PLCG1</p> <p>Aliases: PLC1; NCKAP3; PLC-II; PLC148; PLCgamma1</p> <p>MW: 148.5kDa</p> <p>Entrez Gene ID: 5335</p>
Description	<p>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.;</p>
Immunogen	Purified recombinant fragment of human PLCG1 (AA: 39-181) expressed in E. Coli.
Reactive Species	Human;
Clone	MM2F3E10;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: ; ICC: ; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Cancer Discov. 2014 Apr;4(4):OF13. ; 2.Adv Biol Regul. 2013 Jan;53(1):51-62.;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**