

Mouse Monoclonal Antibody to PLCG1

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| Catalogue Number | sAP-1454 |
| Target Molecule | Name: PLCG1 Aliases: PLC1; NCKAP3; PLC-II; PLC148; PLCgamma1 MW: 148.5kDa Entrez Gene ID: 5335 |
| Description | 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.; |
| 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 H2O, 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**