

Mouse Monoclonal Antibody to CAMK2G

Catalogue Number	sAP-0914
Target Molecule	Name: CAMK2G Aliases: CAMK; CAMKG; CAMK-II MW: 62.6kDa Entrez Gene ID: 818
Description	The product of this gene is one of the four subunits of an enzyme which belongs to the serine/threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a gamma chain. Many alternatively spliced transcripts encoding different isoforms have been described but the full-length nature of all the variants has not been determined. ; ;
Immunogen	Purified recombinant fragment of human CAMK2G (AA: 322-481) expressed in E. Coli.
Reactive Species	Human; Rat;
Clone	MM8G10C1;
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: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Blood. 2012 Dec 6;120(24):4829-39. ; 2. Diabetologia. 2002 Apr;45(4):580-3. ;

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**