

## Mouse Monoclonal Antibody to CAMK2G

<b>Catalogue Number</b>	sAP-0907
<b>Target Molecule</b>	<b>Name: CAMK2G</b> <b>Aliases:</b> CAMK; CAMKG; CAMK-II <b>MW: 62.6kDa</b> <b>Entrez Gene ID: 818</b>
<b>Description</b>	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. ;
<b>Immunogen</b>	Purified recombinant fragment of human CAMK2G (AA: 322-481) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM6A4A10;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	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**