

Mouse Monoclonal Antibody to GRIA2

Cataloge Number	sAP-0732
Target Molecule	Name: GRIA2 Aliases: GluA2; GluR2; gluR-B; GluR-K2 MW: 98.8kDa Entrez Gene ID: 29627
Description	Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belongs to a family of glutamate receptors that are sensitive to alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA), and function as ligand-activated cation channels. These channels are assembled from 4 related subunits, Gria1-4. The subunit encoded by this gene (Gria2) is subject to RNA editing (Q/R and R/G), which is thought to render the channels impermeable to Ca(2+), and to affect the kinetic aspects of these channels in rat brain. Alternative splicing, resulting in transcript variants encoding different isoforms (flip and flop), has been noted for this gene.
Immunogen	Purified recombinant fragment of human GRIA2 (AA: 652-807) expressed in E. Coli. ; ;
Recitative Species	Human
Clone	MM7G6;
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; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Lin Chung Er Bi Yan Hou Tou Jing Wai Ke Za Zhi. 2010 Feb;24(4):173-6. ; 2.Neurosci Lett. 2011 Jun 15;497(1):42-5. ;

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**