

## Mouse Monoclonal Antibody to GRIK2

<b>Catalogue Number</b>	sAP-1594
<b>Target Molecule</b>	<p><b>Name: GRIK2</b></p> <p><b>Aliases:</b> EAA4; GLR6; MRT6; GLUK6; GLUR6; GluK2</p> <p><b>MW: 102.5kDa</b></p> <p><b>Entrez Gene ID: 2898</b></p>
<b>Description</b>	<p>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 the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. The subunit encoded by this gene is subject to RNA editing at multiple sites within the first and second transmembrane domains, which is thought to alter the structure and function of the receptor complex. Alternatively spliced transcript variants encoding different isoforms have also been described for this gene. Mutations in this gene have been associated with autosomal recessive mental retardation.</p>
<b>Immunogen</b>	Purified recombinant fragment of human GRIK2 (AA: extra 45-226) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM8A1F11
<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; ICC: N to A; FCM: N to A; IHC: N to A
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.Biochemistry. 2010 Nov 2;49(43):9207-16.2.Mol Pharmacol. 2009 May;75(5):1096-107.

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**