

## Mouse Monoclonal Antibody to GRIN2B

<b>Catalogue Number</b>	sAP-1661
<b>Target Molecule</b>	<b>Name:</b> GRIN2B <b>Aliases:</b> MRD6; NR2B; hNR3; EIEE27; GluN2B; NMDAR2B <b>MW:</b> 166.4kDa <b>Entrez Gene ID:</b> 2904
<b>Description</b>	N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate receptors. NMDA receptor channel has been shown to be involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. NMDA receptor channels are heteromers composed of three different subunits: NR1 (GRIN1), NR2 (GRIN2A, GRIN2B, GRIN2C, or GRIN2D) and NR3 (GRIN3A or GRIN3B). The NR2 subunit acts as the agonist binding site for glutamate. This receptor is the predominant excitatory neurotransmitter receptor in the mammalian brain.
<b>Immunogen</b>	Purified recombinant fragment of human GRIN2B (AA: extra 27-163) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM6E9A8
<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 H2O, 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: 1 to 100 - 1 to 500; FCM: 1 to 200 - 1 to 400; IHC: N to A
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.J Neural Transm (Vienna). 2014 May;121(5):533-42. 2.Psychopharmacology (Berl). 2014 Feb;231(4):685-93.

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**