

Mouse Monoclonal Antibody to GRIN2B

Catalogue Number	sAP-1661
Target Molecule	<p>Name: GRIN2B</p> <p>Aliases: MRD6; NR2B; hNR3; EIEE27; GluN2B; NMDAR2B</p> <p>MW: 166.4kDa</p> <p>Entrez Gene ID: 2904</p>
Description	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.
Immunogen	Purified recombinant fragment of human GRIN2B (AA: extra 27-163) expressed in E. Coli.
Reactive Species	Human;
Clone	MM6E9A8
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; ICC: 1 to 100 - 1 to 500; FCM: 1 to 200 - 1 to 400; IHC: N to A
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	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**