Recombinant DGRmAb®

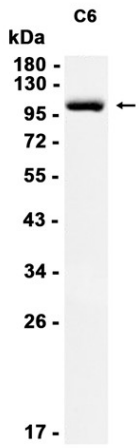
Ionotropic Glutamate Receptor 2 (DGR13133) Rabbit mAb (PBS Only)

db11905-PBS **Package : 10μg 100μg**

Product Name : Ionotropic Glutamate Receptor 2 (DGR13133) Rabbit mAb (PBS Only)
Cat.No.: db11905-PBS
Synonyms : GLUR2; GLURB; GluA2; HBGR2; GluR-K2
Application : WB, ICC/IF, FC
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	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 (CAG->CGG; Q->R) within the second transmembrane domain, which is thought to render the channel impermeable to Ca(2+). Human and animal studies suggest that pre-mRNA editing is essential for brain function, and defective GRIA2 RNA editing at the Q/R site may be relevant to amyotrophic lateral sclerosis (ALS) etiology. Alternative splicing, resulting in transcript variants encoding different isoforms, (including the flip and flop isoforms that vary in their signal transduction properties), has been noted for this gene. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human Ionotropic Glutamate receptor 2
Gene ID	2891
Swiss Prot	P42262
Synonyms	GLUR2; GLURB; GluA2; HBGR2; GluR-K2
Reactivity	Human,Mouse,Rat
Application	WB, ICC/IF, FC
Calculated MW	99 kDa
Observed MW	99 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR13133

Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from C6 cells using db11905 at 1:1000.