

Recombinant

DGRmAb®

**Ionotropic Glutamate Receptor 2 (DGR13133) Rabbit mAb**

db11905

Package : 10µL 20µL 50µL 100µL

**Product Name** : Ionotropic Glutamate Receptor 2 (DGR13133) Rabbit mAb**Cat.No.:** db11905**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

**Recommended dilution**

WB: 1:1000-1:5000

ICC/IF: 1:50-1:100

FC: 1:50-1:100

**Calculated MW**

99 kDa

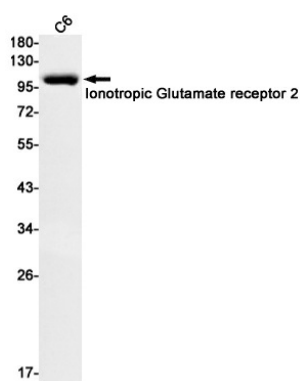
**Observed MW**

99 kDa

**Host species**

Rabbit

<b>Clonality</b>	Monoclonal
<b>Clonality No.</b>	DGR13133
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of Ionotropic Glutamate receptor 2 in C6 cell lysates using Ionotropic Glutamate receptor 2 antibody(1:1000 diluted).