Recombinant DGRmAb®

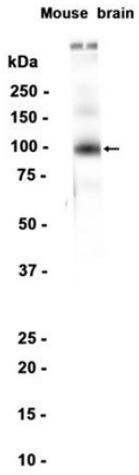
mGluR1a (DGR33493) Rabbit mAb

db13137 **Package : 10μL 20μL 50μL 100μL**

Product Name : mGluR1a (DGR33493) Rabbit mAb
Cat.No.: db13137
Synonyms : MGLU1; SCA44; GPRC1A; MGLUR1; SCAR13; PPP1R85
Application : WB
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	This gene encodes a metabotropic glutamate receptor that functions by activating phospholipase C. L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The canonical alpha isoform of the encoded protein is a disulfide-linked homodimer whose activity is mediated by a G-protein-coupled phosphatidylinositol-calcium second messenger system. This gene may be associated with many disease states, including schizophrenia, bipolar disorder, depression, and breast cancer. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013]
Immunogen	A synthetic peptide of human mGluR1a
Gene ID	2911
Swiss Prot	Q13255
Synonyms	MGLU1; SCA44; GPRC1A; MGLUR1; SCAR13; PPP1R85
Reactivity	Human,Mouse,Rat
Application	WB
Recommended dilution	WB: 1:1000-1:5000
Calculated MW	132 kDa
Observed MW	125,250 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR33493

Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	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 analysis of extracts from Mouse brain tissue using db13137 at 1:1000.