Recombinant DGRmAb®

CACNA2D (DGR20774) Rabbit mAb

db14235 **Package : 10μL 20μL 50μL 100μL**

Product Name : CACNA2D (DGR20774) Rabbit mAb
Cat.No.: db14235
Synonyms : CACNA2D
Application : WB, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	Calcium channels mediate the entry of calcium ions into the cell upon membrane polarization. This gene encodes the alpha-2/delta subunit of the voltage-dependent calcium channel complex. The complex consists of the main channel-forming subunit alpha-1, and auxiliary subunits alpha-2/delta, beta, and gamma. The auxiliary subunits function in the assembly and membrane localization of the complex, and modulate calcium currents and channel activation/inactivation kinetics. The subunit encoded by this gene undergoes post-translational cleavage to yield the extracellular alpha2 peptide and a membrane-anchored delta polypeptide. This subunit is a receptor for the antiepileptic drug, gabapentin. Mutations in this gene are associated with early infantile epileptic encephalopathy. Single nucleotide polymorphisms in this gene are correlated with increased sensitivity to opioid drugs. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2014]
Immunogen	Recombinant protein of human CACNA2D
Gene ID	9254
Swiss Prot	Q9NY47
Synonyms	CACNA2D
Reactivity	Human,Mouse,Rat
Application	WB, IP
Recommended dilution	WB: 1:1000-1:5000 IP: 1:10-1:100
Calculated MW	130 kDa
Observed MW	130 kDa
Host species	Rabbit

Clonality	Monoclonal
Clonality No.	DGR20774
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.