Recombinant DGRmAb®

CACNA1A (DGR31355) Rabbit mAb

db16079 **Package : 10μL 20μL 50μL 100μL**

Product Name : CACNA1A (DGR31355) Rabbit mAb
Cat.No.: db16079
Synonyms : BI; EA2; FHM; MHP; APCA; HPCA; MHP1; SCA6; DEE42; CAV2.1; EIEE42; CACNL1A4
Application : WB
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	Voltage-dependent calcium channels mediate the entry of calcium ions into excitable cells, and are also involved in a variety of calcium-dependent processes, including muscle contraction, hormone or neurotransmitter release, and gene expression. Calcium channels are multisubunit complexes composed of alpha-1, beta, alpha-2/delta, and gamma subunits. The channel activity is directed by the pore-forming alpha-1 subunit, whereas, the others act as auxiliary subunits regulating this activity. The distinctive properties of the calcium channel types are related primarily to the expression of a variety of alpha-1 isoforms, alpha-1A, B, C, D, E, and S. This gene encodes the alpha-1A subunit, which is predominantly expressed in neuronal tissue. Mutations in this gene are associated with 2 neurologic disorders, familial hemiplegic migraine and episodic ataxia 2. This gene also exhibits polymorphic variation due to (CAG)n-repeats. Multiple transcript variants encoding different isoforms have been found for this gene. In one set of transcript variants, the (CAG)n-repeats occur in the 3' UTR, and are not associated with any disease. But in another set of variants, an insertion extends the coding region to include the (CAG)n-repeats which encode a polyglutamine tract. Expansion of the (CAG)n-repeats from the normal 4-18 to 21-33 in the coding region is associated with spinocerebellar ataxia 6. [provided by RefSeq, Jul 2016]
Immunogen	A synthetic peptide of human CACNA1A
Gene ID	773, 12286, 25398
Swiss Prot	O00555, P97445, P54282
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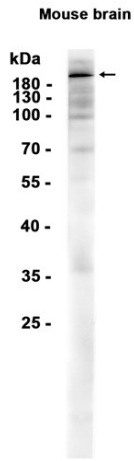
Reactivity	Human,Mouse,Rat
Application	WB
Recommended dilution	WB: 1:1000
Calculated MW	283 kDa

Observed MW	283 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR31355
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 db16079 at 1:1000.