Recombinant DGRmAb®

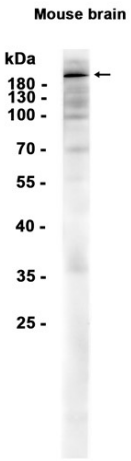
CACNA1A (DGR31355) Rabbit mAb (PBS Only)

db16079-PBS **Package : 10μg 100μg**

Product Name : CACNA1A (DGR31355) Rabbit mAb (PBS Only)
Cat.No.: db16079-PBS
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
Synonyms	BI; EA2; FHM; MHP; APCA; HPCA; MHP1; SCA6; DEE42; CAV2.1; EIEE42; CACNL1A4
Reactivity	Human,Mouse,Rat
Application	WB
Calculated MW	283 kDa
Observed MW	283 kDa

Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR31355
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 Mouse brain tissue using db16079 at 1:1000.