Cacna1g monoclonal antibody, clone S178A-9 (Biotin)

Catalog #   MAB11559   Size   100 ug

Applications

Application Data with Unconjugated Antibody

Western Blot (Tissue lysate)

Western blot analysis of rat brain membrane tissues with Cacna1g monoclonal antibody, clone S178A-9 (MAB11548) at 1:1000 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant of Cacna1g.
Immunogen	Recombinant fusion protien corresponding to amino acids 2052-2172 at C-terminus of mouse Cacna1g.
Host	Mouse
Reactivity	Human, Mouse, Rat
Specificity	Detects ~ >200 kDa. Does not cross-react with Cacna1h.
Form	Liquid
Conjugation	Biotin
Purification	Protein G Purified
Isotype	IgG1
Recommend Usage	Immunohistochemistry Western blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol)

Storage Instruction	Store at -20°C.
	Aliquot to avoid repeated freezing and thawing.

Note	Application Data with Unconjugated Antibody
	Western Blot (Tissue lysate)
	Western blot analysis of rat brain membrane tissues with Cacna1g monoclonal antibody, clone S178 A-9 (MAB11548) at 1:1000 dilution.

Applications

- Western Blot

- Immunohistochemistry

Gene Info — Cacna1g

Entrez GeneID	12291
Protein Accession#	Q9WUT2
Gene Name	Cacna1g
Gene Alias	Cav3.1d, [a]1G, a1G, alpha-1G, mKIAA1123
Gene Description	calcium channel, voltage-dependent, T type, alpha 1G subunit
Gene Ontology	Hyperlink
Gene Summary	calcium channel
Other Designations	OTTMUSP00000001906

Publication Reference

- **Ataxic phenotype with altered CaV3.1 channel property in a mouse model for spinocerebellar ataxia 42.**

  Hashiguchi S, Doi H, Kunii M, Nakamura Y, Shimuta M, Suzuki E, Koyano S, Okubo M, Kishida H, Shiina M, Ogata K, Hirashima F, Inoue Y, Kubota S, Hayashi N, Nakamura H, Takahashi K, Katsumoto A, Tada M, Tanaka K, Sasaoka T, Miyatake S, Miyake N, Saitsu H, Sato N, Ozaki K, Ohta K, Yokota T, Mizusawa H, Mitsui J, Ishiura H, Yoshimura J, Morishita S, Tsuji S, Takeuchi H, Ishikawa K, Matsumoto N, Ishikawa T, Tanaka F.

  Neurobiology of Disease 2019 Oct; 130:104516.

  Application : IHC, Human, Mouse, Brains