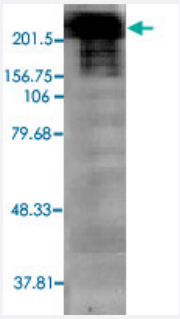
SCN9A monoclonal antibody, clone S68-6

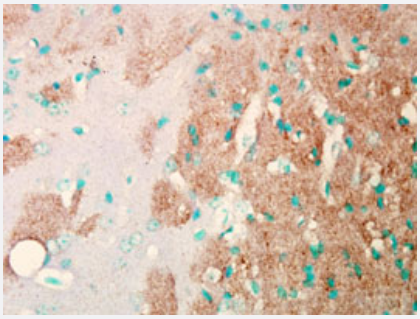
Catalog # MAB6661 Size 100 ug

Applications



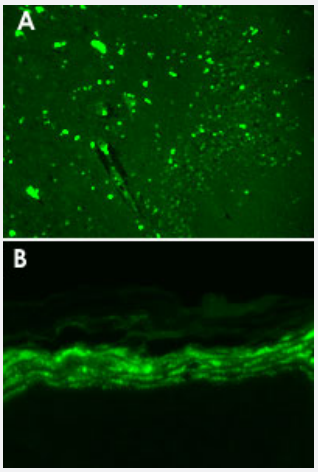
Western Blot (Transfected lysate)

Western blot analysis in SCN9A transfected CHO cell with SCN9A monoclonal antibody, clone S68-6 (Cat # MAB6661).



Immunohistochemistry

Immunohistochemical staining in mouse brain tissue with SCN9A monoclonal antibody, clone S68-6 (Cat # MAB6661).



Immunofluorescence

Immunofluorescence staining in human hippocampus (A) and mouse back skin (B) with SCN9A monoclonal antibody, clone S68-6 (Cat # MAB6661).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant SCN9A.
Immunogen	Recombinant fusion protein corresponding to C-terminus amino acids 1751-1946 of human SCN9A.
Host	Mouse
Reactivity	Human, Mouse, Rat
Specificity	Detects ~230KDa. No cross-reactivity against other Nav channels.
Form	Liquid
Isotype	IgG1
Recommend Usage	Western Blot (1-10 ug/mL) Immunohistochemistry (0.1-1.0 ug/mL) Immunocytochemistry (0.1-1.0 ug/mL) Immunofluorescence (1.0-10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

  Western blot analysis in SCN9A transfected CHO cell with SCN9A monoclonal antibody, clone S68-6 (Cat # MAB6661).

- Immunohistochemistry

  Immunohistochemical staining in mouse brain tissue with SCN9A monoclonal antibody, clone S68-6 (Cat # MAB6661).

- Immunocytochemistry

- Immunofluorescence

  Immunofluorescence staining in human hippocampus (A) and mouse back skin (B) with SCN9A monoclonal antibody, clone S68-6 (Cat # MAB6661).

- Immunoprecipitation

Gene Info — SCN9A

Entrez GeneID	6335
Protein Accession#	Q15858
Gene Name	SCN9A
Gene Alias	ETHA, NE-NA, NENA, Nav1.7, PN1
Gene Description	sodium channel, voltage-gated, type IX, alpha subunit
Omim ID	133020 167400 243000 603415
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a voltage-gated sodium channel which plays a significant role in nociception s ignaling. Mutations in this gene have been associated with primary erythermalgia, channelopathy-associated insensitivity to pain, and paroxysmal extreme pain disorder. [provided by RefSeq
Other Designations	sodium channel, voltage-gated, type IX, alpha|sodium channel, voltage-gated, type IX, alpha polyp eptide|voltage-gated sodium channel alpha subunit Nav1.7

Publication Reference

- Congenital long QT syndrome.

  Crotti L, Celano G, Dagradi F, Schwartz PJ.

  Orphanet Journal of Rare Diseases 2008 Jul; 3:18.

- Ca(V)1.2 calcium channel dysfunction causes a multisystem disorder including arrhythmia and autism.

  Splawski I, Timothy KW, Sharpe LM, Decher N, Kumar P, Bloise R, Napolitano C, Schwartz PJ, Joseph RM, Condouris K, Tager-Flusberg H, Priori SG, Sanguinetti MC, Keating MT.

  Cell 2004 Oct; 119(1):19.

Disease

- Abnormalities
- Borderline Personality Disorder
- Electroshock

- Epilepsy
- Genetic Predisposition to Disease
- Migraine without Aura
- Pain
- Pain Threshold
- Perception
- Psychiatric Status Rating Scales
- Seizures
- Syndrome
- Tobacco Use Disorder