

SCN9A Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant SCN9A.****Catalog # AT3795a****Specification**

SCN9A Antibody (monoclonal) (M01) - Product Information

Application	WB
Primary Accession	Q15858
Other Accession	NM_002977
Reactivity	Human, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	226372

SCN9A Antibody (monoclonal) (M01) - Additional Information**Gene ID** 6335**Other Names**

Sodium channel protein type 9 subunit alpha, Neuroendocrine sodium channel, hNE-Na, Peripheral sodium channel 1, PN1, Sodium channel protein type IX subunit alpha, Voltage-gated sodium channel subunit alpha Nav17, SCN9A, NENA

Target/Specificity

SCN9A (NP_002968, 269 a.a. ~ 339 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

SCN9A Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

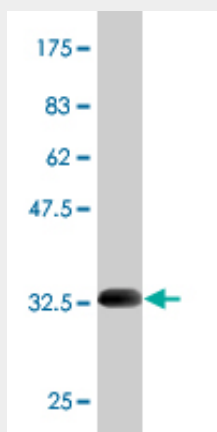
SCN9A Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

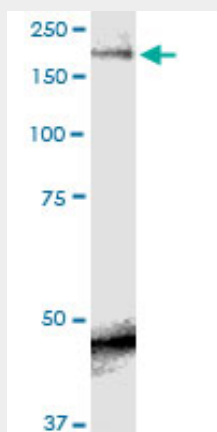
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SCN9A Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.55 KDa) .



SCN9A monoclonal antibody (M01), clone 5A11. Western Blot analysis of SCN9A expression in rat testis.

SCN9A Antibody (monoclonal) (M01) - Background

This gene encodes a voltage-gated sodium channel which plays a significant role in nociception signaling. Mutations in this gene have been associated with primary erythralgia, channelopathy-associated insensitivity to pain, and paroxysmal extreme pain disorder.

SCN9A Antibody (monoclonal) (M01) - References

Sodium channel Na v 1.7 immunoreactivity in painful human dental pulp and burning mouth syndrome. Beneng K, et al. BMC Neurosci, 2010 Jun 8. PMID 20529324. Alternative splicing may contribute to time-dependent manifestation of inherited erythromelalgia. Choi JS, et al. Brain, 2010 Jun. PMID 20478850. Mutations at opposite ends of the DIII/S4-S5 linker of sodium channel Na V 1.7 produce distinct pain disorders. Cheng X, et al. Mol Pain, 2010 Apr 29. PMID 20429905. Personalized

smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Pain perception is altered by a nucleotide polymorphism in SCN9A. Reimann F, et al. Proc Natl Acad Sci U S A, 2010 Mar 16. PMID 20212137.