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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

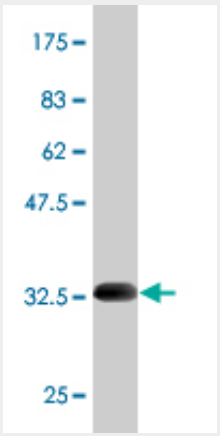
Target/Specificity
SCN9A (NP_002968, 269 a.a. ~ 339 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

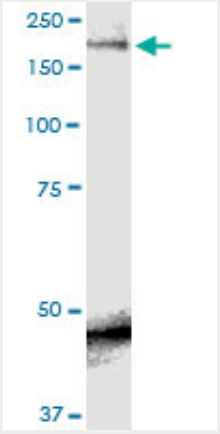
Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

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.



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 erythermalgia, channelopathy-associated insensitivity to pain, and paroxysmal extreme pain disorder.

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 Cytomety
- Cell Culture

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.