

SCN8A Antibody (monoclonal) (M04)**Mouse monoclonal antibody raised against a partial recombinant SCN8A.****Catalog # AT3794a****Specification**

SCN8A Antibody (monoclonal) (M04) - Product Information

Application	WB, IF
Primary Accession	O9UQD0
Other Accession	NM_014191
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	225280

SCN8A Antibody (monoclonal) (M04) - Additional Information**Gene ID** 6334**Other Names**

Sodium channel protein type 8 subunit alpha, Sodium channel protein type VIII subunit alpha, Voltage-gated sodium channel subunit alpha Nav16, SCN8A, MED

Target/Specificity

SCN8A (NP_055006, 1854 a.a. ~ 1951 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IF~~1:50~200

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

SCN8A Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

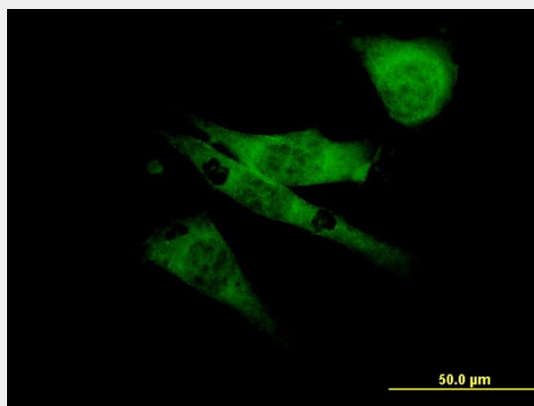
SCN8A Antibody (monoclonal) (M04) - Protocols

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

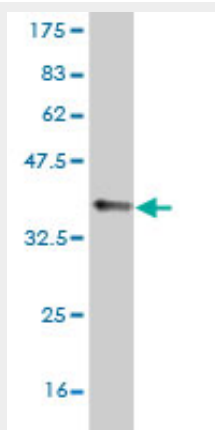
- [Western Blot](#)
- [Blocking Peptides](#)

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

SCN8A Antibody (monoclonal) (M04) - Images



Immunofluorescence of monoclonal antibody to SCN8A on NIH/3T3 cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .

SCN8A Antibody (monoclonal) (M04) - Background

This gene encodes a member of the sodium channel alpha subunit gene family. The encoded protein forms the ion pore region of the voltage-gated sodium channel. This protein is essential for the rapid membrane depolarization that occurs during the formation of the action potential in excitable neurons. Mutations in this gene are associated with mental retardation, pancerebellar atrophy and ataxia. Alternate splicing results in multiple transcript variants.

SCN8A Antibody (monoclonal) (M04) - References

1.Na(v)1.1 localizes to axons of parvalbumin-positive inhibitory interneurons: a circuit basis for epileptic seizures in mice carrying an Scn1a gene mutation. Ogiwara I, Miyamoto H, Morita N, Atapour N, Mazaki E, Inoue I, Takeuchi T, Itohara S, Yanagawa Y, Obata K, Furuichi T, Hensch TK, Yamakawa K. J Neurosci. 2007 May 30;27(22):5903-14.