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SCN8A Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant SCN8A.

Catalog # AT3794a

Specification

SCN8A Antibody (monoclonal) (M04) - Product Information

Application	**IF, WB**
Primary Accession	Q9UQD0
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

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

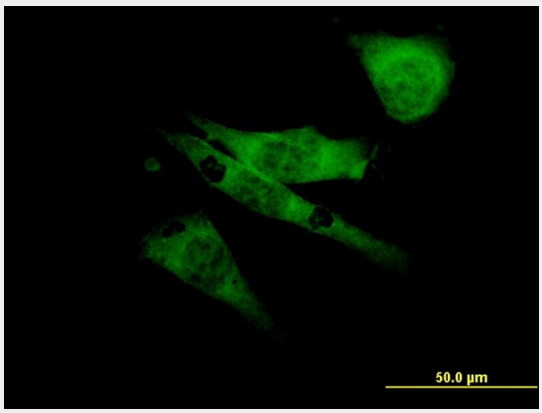
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

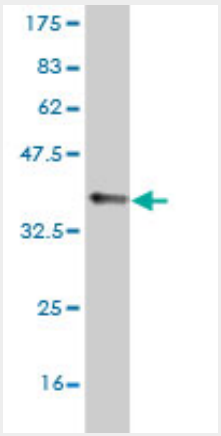
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.