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Nav1.6 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51970

Specification

Nav1.6 Antibody - Product Information

Application	**WB, E**
Primary Accession	Q9UQD0
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**225 KDa**

Nav1.6 Antibody - 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

Format
0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Nav1.6 Antibody - Protein Information

Name SCN8A

Synonyms MED

Function
Mediates the voltage-dependent sodium ion permeability of excitable membranes (PubMed:29726066). Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a sodium-selective channel through which Na(+) ions may pass in accordance with their electrochemical gradient.

Cellular Location
Cell membrane; Multi-pass membrane protein. Cell projection, axon {ECO:0000250|UniProtKB:Q9WTU3}. Note=Mainly localizes to the axon initial segment. {ECO:0000250|UniProtKB:Q9WTU3}

Tissue Location
Expressed in the hippocampus with increased expression in epileptic tissue compared to normal adjacent tissue (at protein level) (PubMed:28842554). Isoform 5: Expressed in non-neuronal

tissues, such as monocytes/macrophages.

Nav1.6 Antibody - 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

Nav1.6 Antibody - Images

Nav1.6 Antibody - Background

Mediates the voltage-dependent sodium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a sodium-selective channel through which Na(+) ions may pass in accordance with their electrochemical gradient. In macrophages and melanoma cells, isoform 5 may participate in the control of podosome and invadopodia formation.

Nav1.6 Antibody - References

Plummer N.W.,et al.J. Biol. Chem. 272:24008-24015(1997).
Plummer N.W.,et al.Genomics 54:287-296(1998).
Carrithers M.D.,et al.J. Biol. Chem. 284:8114-8126(2009).
Lin C.,et al.Submitted (JUN-1999) to the EMBL/GenBank/DDBJ databases.
Jeong S.-Y.,et al.Submitted (JAN-2000) to the EMBL/GenBank/DDBJ databases.