

# Product Datasheet

## Nav1.8 Antibody (S134) - BSA Free NBP1-47615

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 2/21/2025 v.20.1

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**NBP1-47615**

Nav1.8 Antibody (S134) - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	S134
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG2a
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS (pH 7.4), 50% Glycerol

**Product Description**

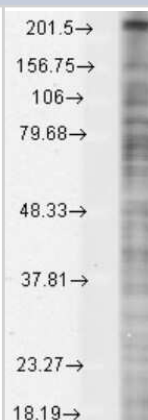
<b>Host</b>	Mouse
<b>Gene ID</b>	6336
<b>Gene Symbol</b>	SCN10A
<b>Species</b>	Human, Mouse, Rat, Monkey
<b>Specificity/Sensitivity</b>	Detects approx 220kDa. No cross reactivity against other Nav channels.
<b>Immunogen</b>	Fusion protein amino acids 1724-1956 of rat Nav1.8

**Product Application Details**

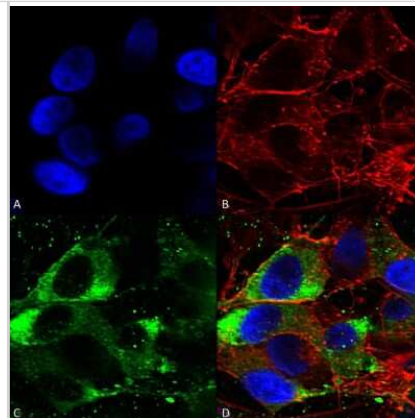
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Microarray
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:1000, Microarray
<b>Application Notes</b>	1 ug/ml of Nav1.8 Antibody was sufficient for detection of Nav1.8 in 10 ug of COS cell lysate transiently expressing Nav1.8 by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

**Images**

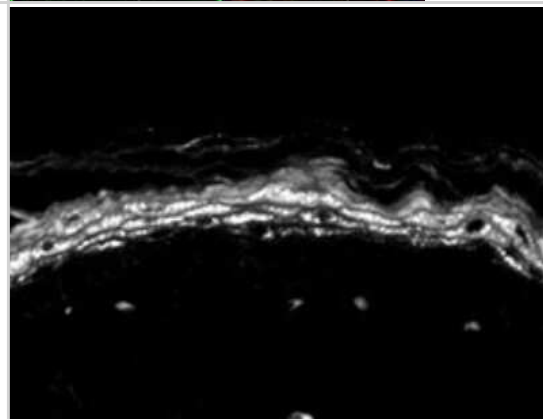
Western Blot: Nav1.8 Antibody (S134) [NBP1-47615] - analysis of Monkey COS transient cell lysate showing detection of Nav1.8 protein using Mouse Anti-Nav1.8 Monoclonal Antibody, Clone S134-12 . Load: 15 ug protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Nav1.8 Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



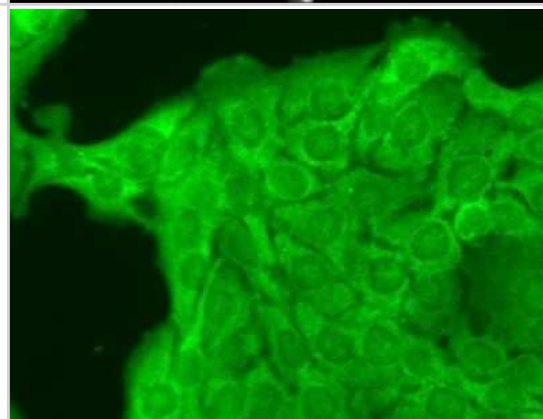
Immunocytochemistry/Immunofluorescence: Nav1.8 Antibody (S134) [NBP1-47615] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Nav1.8 Monoclonal Antibody, Clone S134 (NBP1-47615). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-Nav1.8 Monoclonal Antibody (NBP1-47615) at 1:50 for overnight at 4C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) Nav1.8 Antibody (D) Composite.



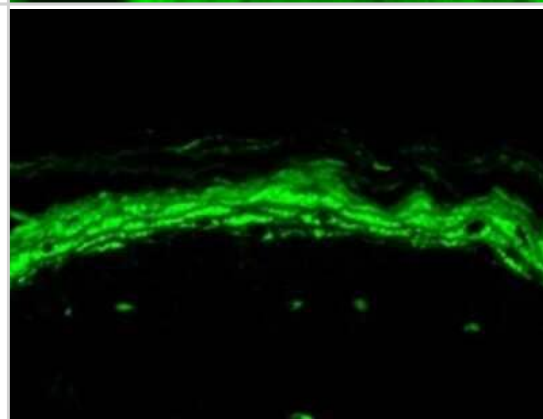
Immunohistochemistry: Nav1.8 Antibody (S134) [NBP1-47615] - Mouse backskin sections. Courtesy of Dr. Turksen, Ottawa Hospital Research Institute, Canada.



Immunocytochemistry/Immunofluorescence: Nav1.8 Antibody (S134) [NBP1-47615] - Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20C. Primary Antibody: Mouse Anti-Nav1.8 Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Cytoplasmic staining and some dull nuclear staining.



Immunocytochemistry/Immunofluorescence: Nav1.8 Antibody (S134) [NBP1-47615] - Tissue: backskin. Species: Mouse. Fixation: Bouins Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Nav1.8 Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Heavy filaggrinlike staining, lower epidermal cells have some staining.





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### **Products Related to NBP1-47615**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NBP1-47615UV	Nav1.8 Antibody (S134) [DyLight 350]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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