

SCN4B Polyclonal Antibody

Catalog NumberPA5-37419

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200
Type	Antibody	Western Blot (WB)	1:500-1:2,000
Immunogen	Recombinant full length human SCN4B	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7.2		
Contains	0.02% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

This antibody detects endogenous protein at a molecular weight of 37 kDa. Purity is >95% by SDS-PAGE.

Background/Target Information

The SCN4B protein modulates channel gating kinetics. Causes negative shifts in the voltage dependence of activation of certain alpha sodium channels, but does not affect the voltage dependence of inactivation. The protein has been found to be expressed at a high level in dorsal root ganglia, at a lower level in brain, spinal cord, skeletal muscle and heart. Defects in SCN4B are the cause of long QT syndrome type 10 (LQT10) [MIM:611819]. Long QT syndromes are heart disorders characterized by a prolonged QT interval on the ECG and polymorphic ventricular arrhythmias. They cause syncope and sudden death in response to exercise or emotional stress. They can present with a sentinel event of sudden cardiac death in infancy.

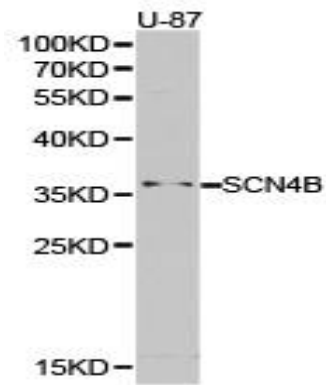
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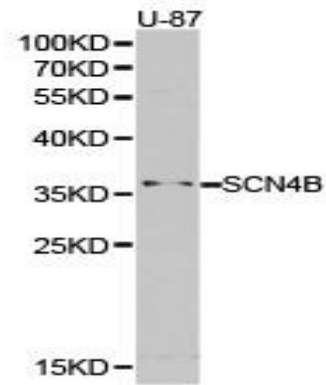
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Product Images For SCN4B Polyclonal Antibody



SCN4B Antibody (PA5-37419) in WB
Western blot analysis of SCN4B in extracts of U-87 cell lines. Samples were incubated with SCN4B polyclonal antibody (Product # PA5-37419).



SCN4B Antibody (PA5-37419) in WB
Western blot analysis of SCN4B in extracts of U-87 cells using SCN4B polyclonal antibody (Product # PA5-37419).

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