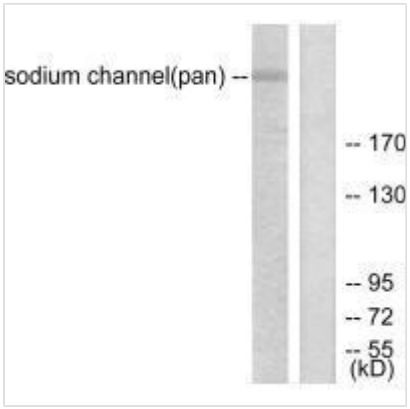
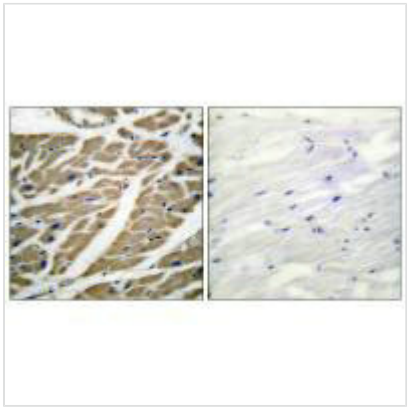
SCN5A Antibody

Product Code	CSB-PA280563
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q14524
Immunogen	Synthesized peptide derived from Human sodium channel.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous levels of total sodium channel protein.
Tested Applications	ELISA,WB,IHC;WB:1:500-1:3000,IHC:1:50-1:100
Relevance	This protein 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. It is a tetrodotoxin-resistant Na+ channel isoform. This channel is responsible for the initial upstroke of the action potential. Channel inactivation is regulated by intracellular calcium levels. Sebastian K.G. Maier, Circulation, Mar 2004; 109: 1421 - 1427. T.R. Cummins, Neurology, Jan 2003; 60: 224 - 229. Christopher A. Ahern, Circ. Res., May 2005; 96: 991 - 998. Jyoti Dhar Malhotra, Circulation, Mar 2001; 103: 1303 - 1310.
Form	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	CIN5; HH1; SCN5A; Sodium channel protein; cardiac muscle alpha-subunit
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	SCN5A
Image	



Western blot analysis of extracts from HuvEc cells, using Sodium Channel-pan antibody.



Immunohistochemical analysis of paraffin-embedded human heart tissue using Sodium Channel-pan antibody.