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Datasheet for ABIN733043

## anti-HCN4 antibody (AA 501-600)

2 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	HCN4
Binding Specificity:	AA 501-600
Reactivity:	Rat, Human, Mouse, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HCN4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HCN4
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Predicted Reactivity:	Cow,Pig,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	HCN4
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## Target Details

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Alternative Name:	HCN4 ( <a href="#">HCN4 Products</a> )
Background:	Synonyms: SSS2, Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4, HCN4  Background: Hyperpolarization-activated ion channel with very slow activation and inactivation exhibiting weak selectivity for potassium over sodium ions. Contributes to the native pacemaker currents in heart (If) that regulate the rhythm of heart beat. May contribute to the native pacemaker currents in neurons (Ih). May mediate responses to sour stimuli.
Gene ID:	10021
UniProt:	<a href="#">Q9Y3Q4</a>

## Application Details

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Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

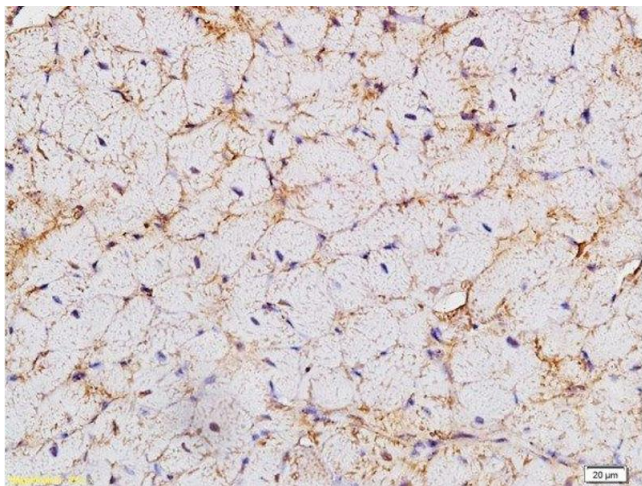
## Handling

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Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

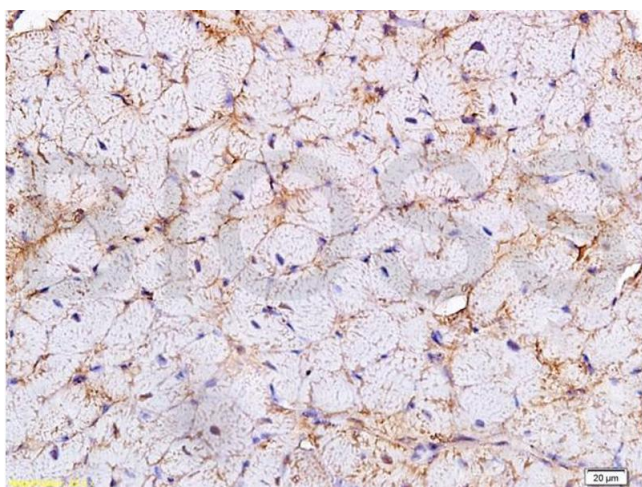
Product cited in: Li, Hong, Zhang, Zhou, Ji, Li, Hu, Li, Sun, Zhang, Xin, Yusufuaji, Xiong, Tang: "Association between reversal in the expression of hyperpolarization-activated cyclic nucleotide-gated (HCN) channel and age-related atrial fibrillation." in: **Medical science monitor : international medical journal of experimental and clinical research**, Vol. 20, pp. 2292-7, (2014) ([PubMed](#)).

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin embedded rat heart labeled with Anti-HCN4 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining.



### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded rat heart labeled with Anti-HCN4 Polyclonal Antibody, Unconjugated (ABIN733043) at 1:200 followed by conjugation to the secondary antibody and DAB staining.