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# anti-HCN1 antibody (AA 778-910)



# **Images**



## Overview

Quantity:	100 μg
Target:	HCN1
Binding Specificity:	AA 778-910
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Antibody Array (AA)

## **Product Details**

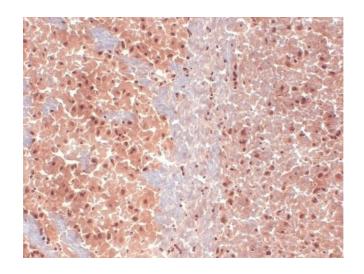
Immunogen:	Fusion protein amino acids 778-910 (C terminus) of rat HCN1
Clone:	S70
Isotype:	IgG1
Specificity:	Detects ~100 kDa. No cross-reactivity against HCN2.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein G Purified

# **Target Details**

Target:	HCN1
Alternative Name:	HCN1 (HCN1 Products)

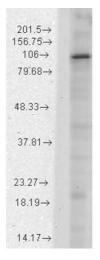
# **Target Details**

Background:	Hyperpolarization-activated cation channels of the HCN gene family, such as HCN1, play a crucial role in the regulatons of cell excitability. Importantly, they contribute to spontaneous rhythmic activity in both the heart and brain (1).
Gene ID:	84390
NCBI Accession:	NP_445827
UniProt:	Q9JKB0
Pathways:	Asymmetric Protein Localization
Application Details	
Application Notes:	<ul> <li>WB (1:1000)</li> <li>IHC (1:1000)</li> <li>ICC/IF (1:100)</li> <li>optimal dilutions for assays should be determined by the user.</li> </ul>
Comment:	1 $\mu$ g/ml of ABIN361763 was sufficient for detection of HCN1 in 10 $\mu$ g of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C



# **Immunohistochemistry**

Image 1. Immunohistochemistry analysis using Mouse Anti-HCN1 Monoclonal Antibody, Clone S70 (ABIN361763). Tissue: Frozen brain section. Species: Mouse. Fixation: 10 % Formalin Solution for 12-24 hours at RT. Primary Antibody: Mouse Anti-HCN1 Monoclonal Antibody (ABIN361763) at 1:1000 for 1 hour at RT. Secondary Antibody: HRP/DAB Detection System: Biotinylated Goat Anti-Mouse, Streptavidin Peroxidase, DAB Chromogen (brown) for 30 minutes at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 250-500 µL for 5 minutes at RT.



## **Western Blotting**

Image 2. rat brain HCN1 Western Blotting.



### **Immunohistochemistry**

Image 3. Immunohistochemistry analysis using Mouse Anti-HCN1 Monoclonal Antibody, Clone S70 (ABIN361763). Tissue: Cerebellum. Species: Mouse. Fixation: 10 % Formalin Solution for 12-24 hours at RT. Primary Antibody: Mouse Anti-HCN1 Monoclonal Antibody (ABIN361763) at 1:1000 for 1 hour at RT. Secondary Antibody: HRP/DAB Detection System: Biotinylated Goat Anti-Mouse, Streptavidin Peroxidase, DAB Chromogen (brown) for 30 minutes at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 250-500 µL for 5 minutes at RT. Localization: Cytoplasmic staining of Purkinje cells.

Please check the product details page for more images. Overall 5 images are available for ABIN361763.