Datasheet for ABIN2482541

anti-HCN4 antibody (AA 1019-1198) (PE)

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4 Images

Overview

Quantity:	100 µg
Target:	HCN4
Binding Specificity:	AA 1019-1198
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HCN4 antibody is conjugated to PE
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS), Antibody Array (AA)

Product Details

Immunogen:	Fusion protein amino acids 1019-1198 (c-terminus) of rat HCN4
Clone:	N114-10 (Formerly S114-10)
Isotype:	IgG1
Specificity:	Detects ~130 kDa. No cross-reactivity against other HCNs.
Cross-Reactivity:	Human, Mouse, Rabbit, Rat
Purification:	Protein G Purified

Target Details

Target:	HCN4

Target Details

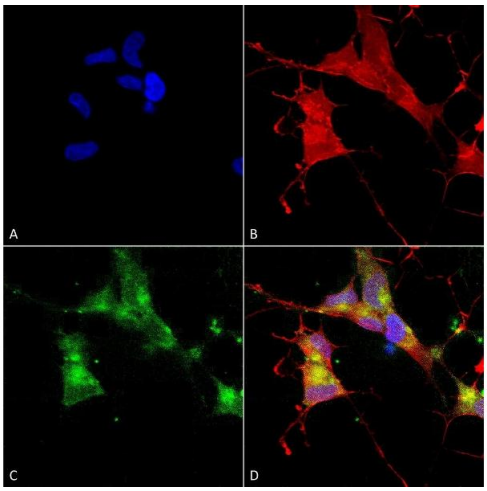
Alternative Name:	HCN4 (HCN4 Products)
Background:	Hyperpolarization-activated cation channels of the HCN gene family contribute to spontaneous rhythmic activity in both the heart and brain (1).
Gene ID:	59266
NCBI Accession:	NP_067690
UniProt:	Q9JKA7

Application Details

Application Notes:	• WB (1:1000) • IHC (1:1000) • ICC/IF (1:100) • optimal dilutions for assays should be determined by the user.
Comment:	1 µg/ml of ABIN2482541 was sufficient for detection of HCN4 in 10 µg of COS cell lysate transiently transfected with HCN4 by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

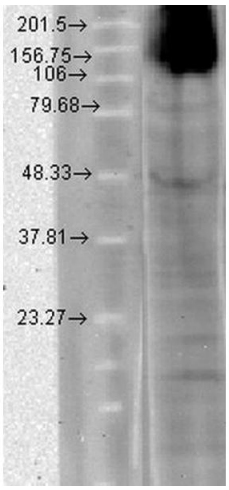
Handling

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:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C



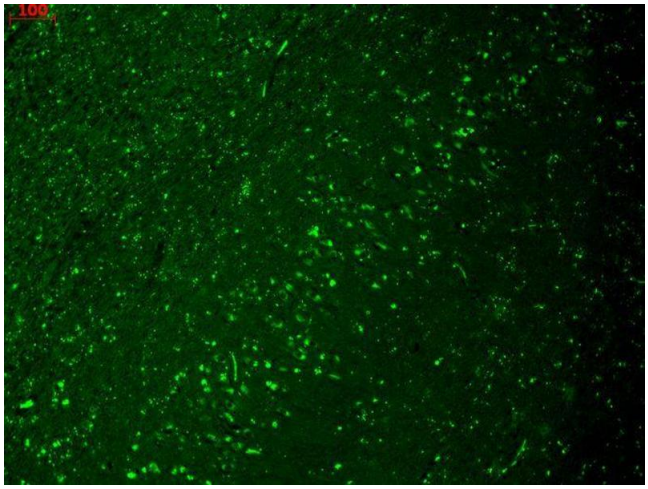
Immunocytochemistry

Image 1. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-HCN4 Monoclonal Antibody, Clone N114/10 (ABIN2482541). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4 % PFA for 15 min. Primary Antibody: Mouse Anti-HCN4 Monoclonal Antibody (ABIN2482541) at 1:100 for overnight at 4 °C 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, 1.6 mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) HCN4 Antibody (D) Composite.



Western Blotting

Image 2. Western Blot analysis of Human T-HEK cell lysate showing detection of HCN4 protein using Mouse Anti-HCN4 Monoclonal Antibody, Clone S114-10 . Load: 15 µg. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-HCN4 Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



Immunohistochemistry

Image 3. Immunohistochemistry analysis using Mouse Anti-HCN4 Monoclonal Antibody, Clone S114-10 . Tissue: hippocampus. Species: Human. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-HCN4 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.

Please check the product details page for more images. Overall 4 images are available for ABIN2482541.