

HCN1 Monoclonal Antibody (S70), APC

Product Details

Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	S70
Conjugate	APC
Excitation/Emission Max	651/660 nm
Immunogen	Fusion protein amino acids 778-910 (C terminus) of rat HCN1
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	47.35mM phosphate/2.15mM MES, pH 7.4, with 1.033mM EDTA
Contains	no preservative
Storage conditions	4° C

Applications

Tested Dilution

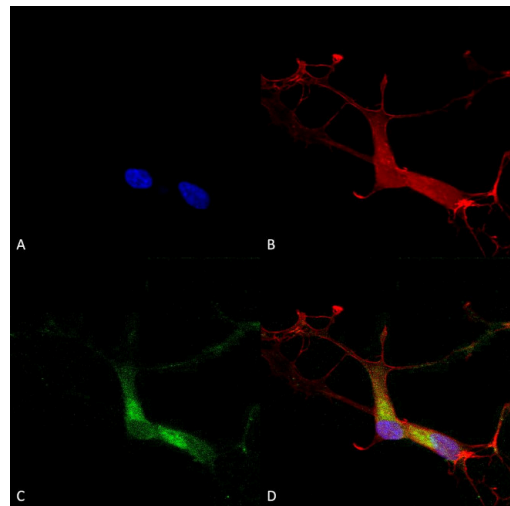
Publications

Western Blot (WB)	1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:1,000	-
Immunohistochemistry (PFA fixed) (IHC (PFA))	1:1,000	-
Immunocytochemistry (ICC/IF)	1:100	-
Immunoprecipitation (IP)	Assay-dependent	-
Antibody Microarray (AM)	Assay-dependent	-

Product Specific Information

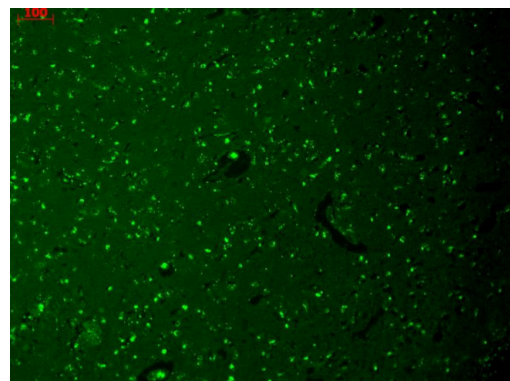
1 µg/mL of MA5-45399 was sufficient for detection of HCN1 in 10 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody. Detects approximately 100kDa. No cross-reactivity against HCN2.

Product Images For HCN1 Monoclonal Antibody (S70), APC



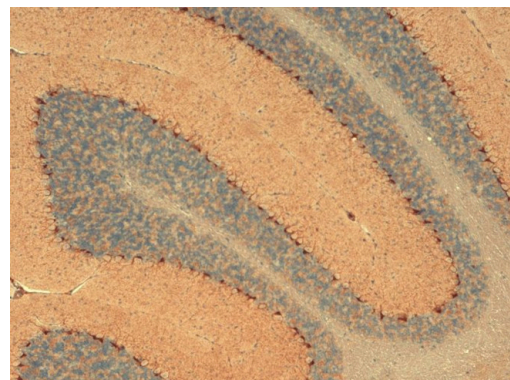
HCN1 Antibody (MA5-45399) in ICC/IF

Immunocytochemistry/Immunofluorescence analysis using human neuroblastoma cells. Fixation involved 4% PFA for 15 min. Samples were incubated with HCN1 monoclonal antibody (Product # MA5-45399) at 1:100 for overnight at 4°C with slow rocking, followed by AlexaFluor 488 at 1:1,000 for 1 hour at RT. Counterstain used was Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) HCN1 antibody (D) Composite.



HCN1 Antibody (MA5-45399) in IHC (P)

Immunohistochemistry analysis using hippocampus. Fixation involved Bouins Fixative and paraffin-embedded. Samples were incubated with HCN1 monoclonal antibody (Product # MA5-45399) at 1:1,000 for 1 hour at RT, followed by FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



HCN1 Antibody (MA5-45399) in IHC (PFA)

Immunohistochemistry analysis using Cerebellum. Fixation involved 10% formalin solution for 12-24 hours at RT. Samples were incubated with HCN1 monoclonal antibody (Product # MA5-45399) at 1:1,000 for 1 hour at RT, followed by HRP/DAB Detection System: Biotinylated Goat Anti-Mouse, Streptavidin Peroxidase, DAB Chromogen (brown) for 30 minutes at RT. Counterstain used was Mayer Hematoxylin (purple/blue) nuclear stain at 250-500 µL for 5 minutes at RT. Localization: Cytoplasmic staining of Purkinje cells.

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