

Anti-HCN2 antibody [S71] ab84817

★★★★★ [4 Abreviews](#) [10 References](#) [5 图像](#)

概述

产品名称	Anti-HCN2抗体[S71]
描述	小鼠单克隆抗体[S71] to HCN2
宿主	Mouse
特异性	Does not cross react with HCN1.
经测试应用	适用于: IHC-Fr, IHC-P, ICC, WB
种属反应性	与反应: Mouse, Rat, Human
免疫原	Fusion protein corresponding to Rat HCN2 aa 750 to the C-terminus (C terminal). Database link: Q9JKA9
阳性对照	IHC-Fr: Mouse brain tissue; IHC-P: Human hippocampus tissue; WB: Rat brain membrane and mouse brain tissue lysates; ICC: Differentiated SH-SH5Y cells.
常规说明	<p>The clone number S71 has previously been called S71-37 and N71/37. These clone numbers all refer to the same antibody clone.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.09% Sodium azide Constituents: 50% Glycerol, PBS
纯度	Protein G purified
克隆	单克隆
克隆编号	S71
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab84817于以下的经测试应用

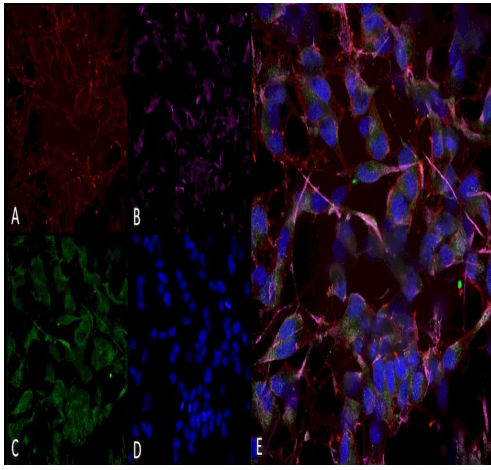
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-Fr		1/1000.
IHC-P		1/100.
ICC		1/100.
WB	★★★★★ (3)	1/1000. Predicted molecular weight: 95 kDa.

靶标

功能	Hyperpolarization-activated ion channel exhibiting weak selectivity for potassium over sodium ions. Contributes to the native pacemaker currents in heart (If) and in neurons (Ih). Produces a large instantaneous current. Activated by cAMP. Modulated by intracellular chloride ions and pH; acidic pH shifts the activation to more negative voltages.
组织特异性	Highly expressed throughout the brain. Detected at low levels in heart.
序列相似性	Belongs to the potassium channel HCN family. Contains 1 cyclic nucleotide-binding domain.
结构域	The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.
细胞定位	Membrane.

图片



Immunocytochemistry - Anti-HCN2 antibody [S71]
(ab84817)

Immunocytochemistry analysis of differentiated SH-SY5Y (human neuroblastoma cell line from bone marrow) cells labelling HCN2 with ab84817 at 1/100 dilution followed by secondary antibody (Alexa Fluor® 488) (green). Cells were counterstained with phalloidin (Alexa Fluor® 647) (red), and with Anti-beta III Tubulin antibody (Alexa Fluor® 555) (magenta). Nuclear DNA was labelled with Hoechst (blue).

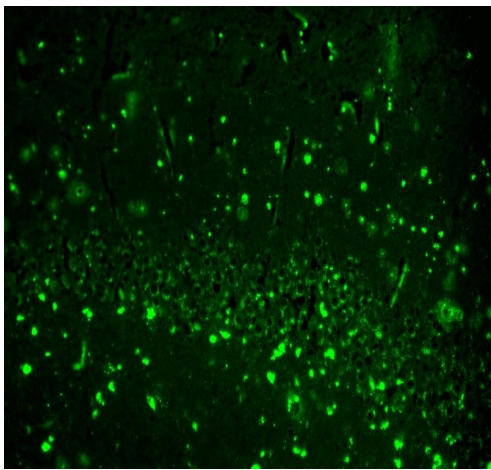
(A) Phalloidin

(B) Anti-beta III Tubulin antibody

(C) HCN2 Antibody (ab84817) and secondary antibody

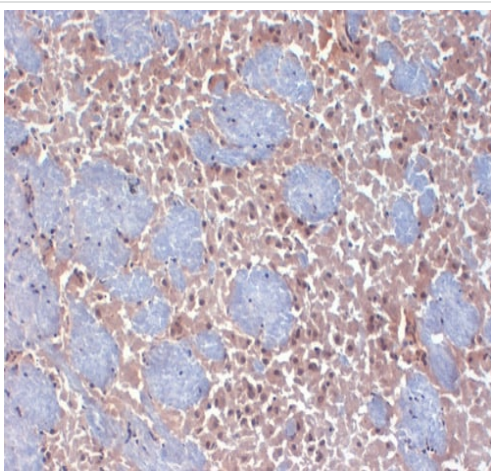
(D) Hoechst

(E) Composite



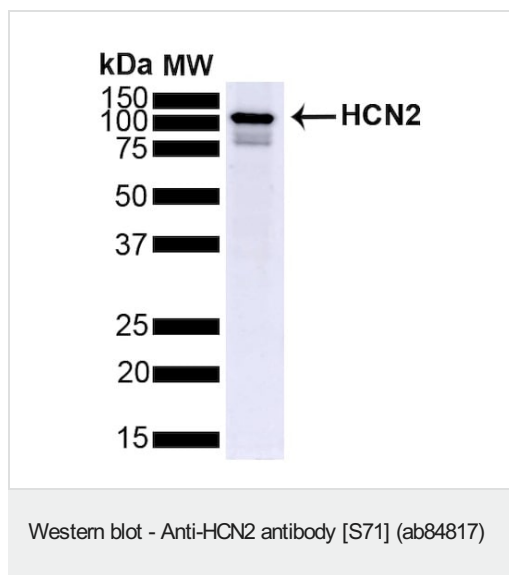
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HCN2 antibody [S71]
(ab84817)

Immunohistochemistry (Bouin-fixed paraffin-embedded sections) analysis of human hippocampus tissue labelling HCN2 with ab84817 at 1/100 dilution (1 hour at room temperature). FITC Goat Anti-Mouse (green) was used as the secondary antibody at 1/50 dilution (1 hour at room temperature).



Immunohistochemistry (Frozen sections) - Anti-HCN2 antibody [S71] (ab84817)

Immunohistochemistry (Frozen sections) analysis of mouse brain tissue labelling HCN2 with ab84817 at 1/1000 dilution (1 hour at room temperature). Tissue fixed with 10% Formalin Solution for 12-24 hours at room temperature. Secondary Antibody: HRP/DAB Detection System: Biotinylated Goat Anti-Mouse, Streptavidin Peroxidase, DAB Chromogen (brown) for 30 minutes at room temperature. Counterstained with Mayer hematoxylin (purple/blue) nuclear stain at 250-500 µL for 5 minutes at room temperature.



Anti-HCN2 antibody [S71] (ab84817) at 1/1000 dilution + Mouse brain tissue lysate at 15 µg

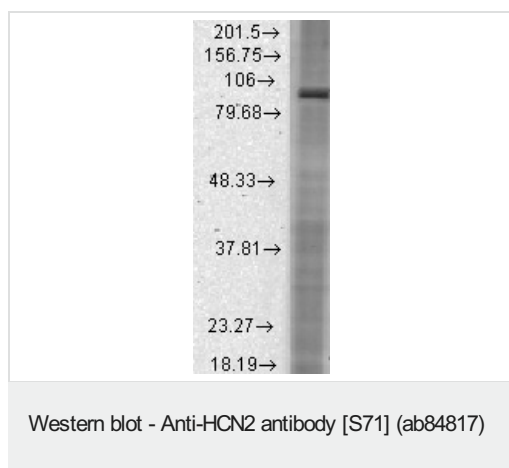
Secondary

Goat anti-mouse IgG, HRP at 1/4000 dilution

Predicted band size: 95 kDa

Observed band size: 95 kDa

Chemiluminescent for HRP (Moss) for 5 min in RT.



Anti-HCN2 antibody [S71] (ab84817) at 1/1000 dilution + Rat brain membrane lysates at 15 µg

Secondary

HRP-Sheep Anti-Mouse IgG antibody

Predicted band size: 95 kDa

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