


### Anti-HCN2 antibody ab19346

[7 References](#) [2 图像](#)

#### 概述

|              |   |
|--------------|---|
| <b>产品名称</b>  | Anti-HCN2抗体   |
| <b>描述</b>    | 兔多克隆抗体to HCN2   |
| <b>宿主</b>    | Rabbit  |
| <b>经测试应用</b> | <b>适用于:</b> WB, ICC/IF  |
| <b>种属反应性</b> | <b>与反应:</b> Mouse, Rat<br><b>预测可用于:</b> Human    |
| <b>免疫原</b>   | Synthetic peptide corresponding to Human HCN2 aa 874-889.<br>Sequence:<br>G-LDPQDSARSRLSSNL<br><br>Database link: <a href="#">Q9UL51</a><br><a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>   |
| <b>阳性对照</b>  | WB: rat brain lysate ICC/IF: Neuro-2a (Mouse neuroblastoma cell line)   |
| <b>常规说明</b>  | <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&amp;As</p> |
| <b>性能</b>    |   |
| <b>形式</b>    | Liquid  |
| <b>存放说明</b>  | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.   |
| <b>存储溶液</b>  | Preservative: 0.05% Sodium azide<br>Constituents: PBS, 0.1% BSA   |
| <b>纯度</b>    | Immunogen affinity purified   |
| <b>克隆</b>    | 多克隆   |

## 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab19346于以下的经测试应用

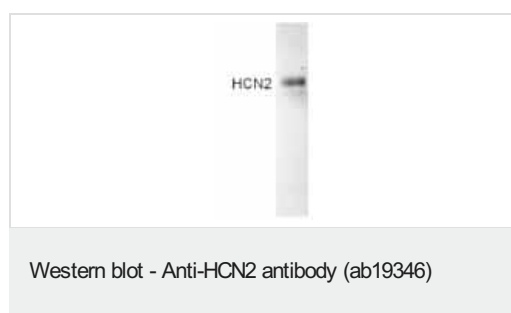
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用     | Ab评论 | 说明  |
|--------|------|---|
| WB     |      | 1/100. Detects a band of approximately 100,115 kDa. |
| ICC/IF |      | Use a concentration of 2 µg/ml.                     |

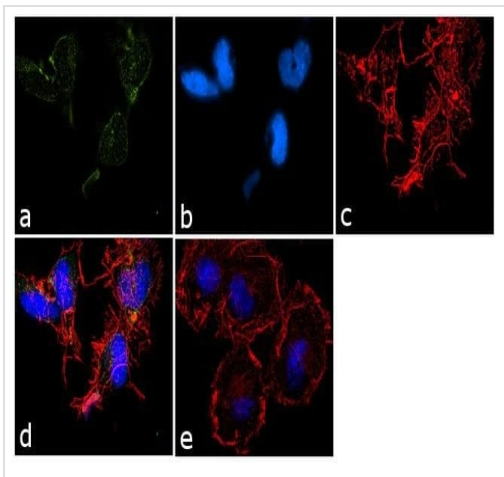
## 靶标

|              |  |
|--------------|--|
| <b>功能</b>    | 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. |
| <b>组织特异性</b> | Highly expressed throughout the brain. Detected at low levels in heart.  |
| <b>序列相似性</b> | Belongs to the potassium channel HCN family.<br>Contains 1 cyclic nucleotide-binding domain.   |
| <b>结构域</b>   | The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.  |
| <b>细胞定位</b>  | Membrane.  |

## 图片



ab19346 has been successfully used in Western blot procedures. By Western blot, this antibody detects bands at ~100 kDa and ~115 kDa representing the non-glycosylated and glycosylated form of HCN2 in rat brain extract.



Immunocytochemistry/ Immunofluorescence - Anti-HCN2 antibody (ab19346)

Immunofluorescent analysis of Neuro-2a (Mouse neuroblastoma cell line) cells on 70% confluent log phase labeling HCN2. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labelled with ab19346 at 2 µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (H+L) secondary antibody, Alexa Fluor® 488 conjugate at 1/2000 dilution for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with DAPI. F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin (1/300 dilution). Panel d is a merged image showing localization. Panel e is a no primary antibody control. The images were captured at 60X magnification.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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