abcam

Product datasheet

Anti-HCN3 antibody [EPR13494(2)] ab192025

Recombinant RabMAb

1 References 5 Images

Overview

Product name	Anti-HCN3 antibody [EPR13494(2)]
Description	Rabbit monoclonal [EPR13494(2)] to HCN3
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human cerebellum, fetal brain, forebrain and hypothalamus lysates; Mouse and Rat brain tissues.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR13494(2)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab192025 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 90 kDa (predicted molecular weight: 86 kDa).
IP		1/30.

Target

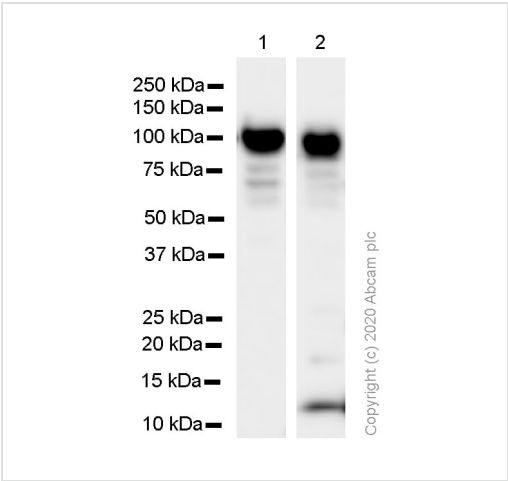
Function Putative hyperpolarization-activated ion channel exhibiting weak selectivity for potassium over sodium ions.

Sequence similarities Belongs to the potassium channel HCN family.
Contains 1 cyclic nucleotide-binding domain.

Domain The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.

Cellular localization Membrane.

Images



Western blot - Anti-HCN3 antibody [EPR13494(2)] (ab192025)

All lanes : Anti-HCN3 antibody [EPR13494(2)] (ab192025) at 0.511 µg/ml

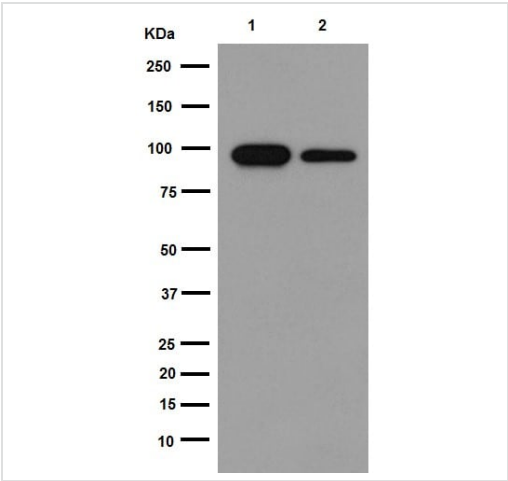
Lane 1 : Mouse brain tissue lysate
Lane 2 : Rat Brain Tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 0.05 µg/ml

Predicted band size: 86 kDa
Observed band size: 100 kDa

Blocking/Diluting Buffer and concentration: 5% NFDM /TBST



Western blot - Anti-HCN3 antibody [EPR13494(2)] (ab192025)

All lanes : Anti-HCN3 antibody [EPR13494(2)] (ab192025) at 1/10000 dilution

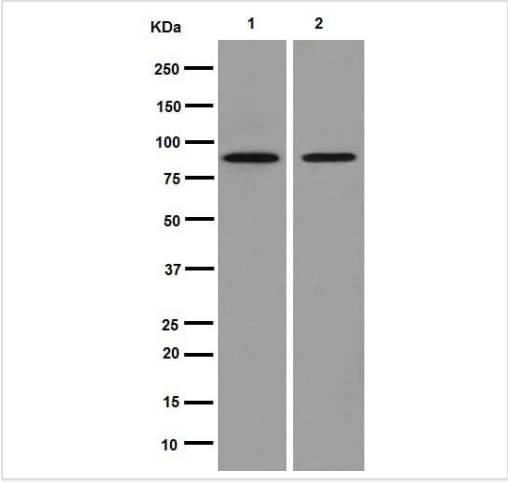
Lane 1 : Human cerebellum lysate
Lane 2 : Human fetal brain tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 86 kDa
Observed band size: 90 kDa

Blocking/dilution buffer: 5% NFDM/TBST.



Western blot - Anti-HCN3 antibody [EPR13494(2)] (ab192025)

All lanes : Anti-HCN3 antibody [EPR13494(2)] (ab192025) at 1/1000 dilution

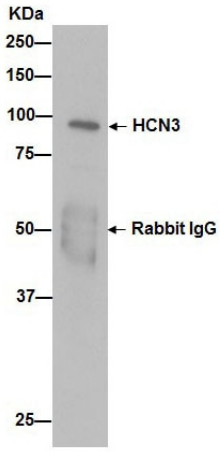
Lane 1 : Human forebrain lysate
Lane 2 : Human hypothalamus lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 86 kDa
Observed band size: 90 kDa

Blocking/dilution buffer: 5% NFDM/TBST.



Immunoprecipitation - Anti-HCN3 antibody [EPR13494(2)] (ab192025)

Western blot analysis of HCN3 in Human fetal brain lysate immunoprecipitated using ab192025 at 1/30 dilution.

Secondary antibody: Goat anti-Rabbit IgG (H+L), Peroxidase conjugated at 1/1000 dilution.

Blocking/dilution buffer: 5% NFDM/TBST.

Anti-HCN3 antibody [EPR13494(2)] (ab192025)

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