

HCN1 Monoclonal Antibody (RTQ 7C3), eBioscience™

Product Details

| | |
|--------------------|--------------------------|
| Size | 100 µg |
| Species Reactivity | Mouse, Rat |
| Host/Isotype | Rat / IgG1, kappa |
| Class | Monoclonal |
| Type | Antibody |
| Clone | RTQ 7C3 |
| Conjugate | Unconjugated |
| Immunogen | aa 650 - 685 of rat HCN1 |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2 |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, do not freeze |
| RRID | AB_2802194 |

Applications

Tested Dilution

Publications

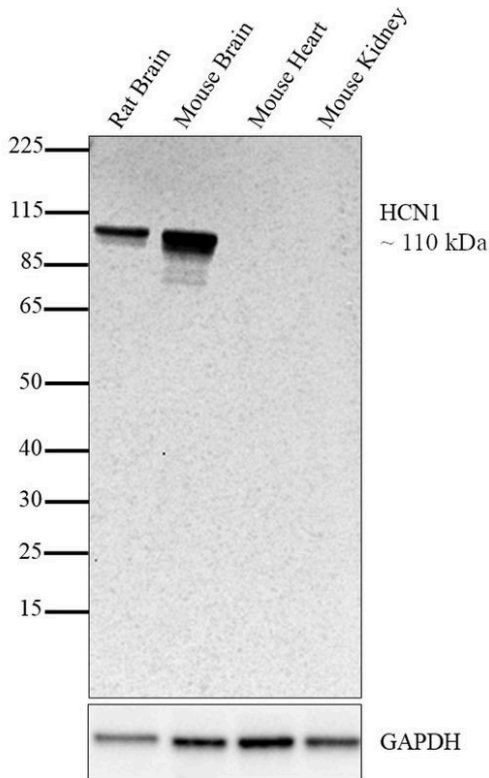
| | | |
|-------------------|-----------|---|
| Western Blot (WB) | 1.0 µg/mL | - |
|-------------------|-----------|---|

Product Specific Information

Description: This RTQ 7C3 monoclonal antibody recognizes mouse and rat HCN1. Clone RTQ 7C3 detects a ~110 kDa band corresponding to HCN1 by Western Blot.

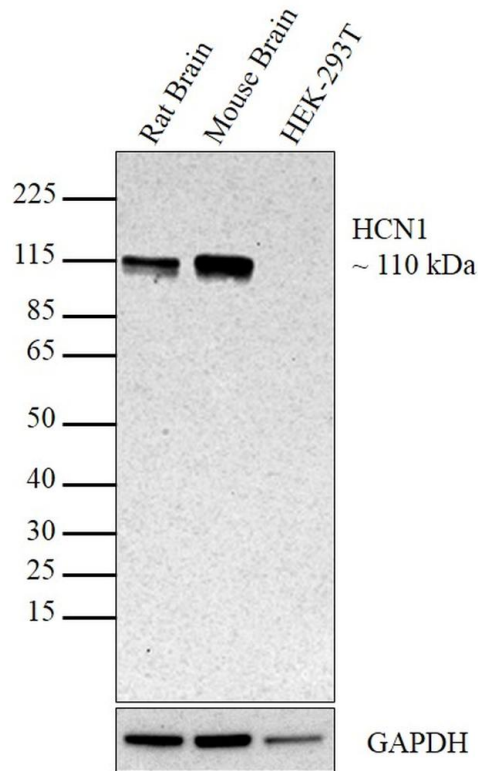
Applications Reported: This RTQ 7C3 antibody has been reported for use in western blot.

Applications Tested: This RTQ 7C3 antibody has been tested by western blot of mouse and rat tissue lysates. This may be used at less than or equal to 1 µg/mL.



HCN1 Antibody (14-5691-82)

Western blot analysis of cellular lysates of rat brain, mouse brain, mouse heart and mouse kidney. As expected based on known RNA expression pattern clone RTQ-7C3 detects a band of ~110 kDa corresponding to HCN1 in rat brain and mouse brain, but not in other lysates. {RE}



HCN1 Antibody (14-5691-82) in WB

Western Blot analysis was performed on whole cell extracts of Rat Brain (Lane 1), Mouse Brain (Lane 2) and HEK-293T(Lane 3) cells. The proteins were separated on a 4-12% Nupage Bis-Tris Gel (Product # NP0336BOX) using MOPS SDS Running Buffer (Product # NP0001-02). Protein transfer to a PVDF membrane (Product # IB24002) was achieved using the iBlot 2 system. Subsequently, the membrane was blocked with 5% milk and probed overnight at 4 C with 1.0 µg/mL Anti-Mouse/Rat HCN1 Monoclonal Antibody (clone RTQ-7C3), followed by Goat anti-Rat IgG Secondary Antibody, HRP at 1:10,000 dilution (Product # 31470). Protein detection was performed using SuperSignal West Pico PLUS Chemiluminescence Substrate (Product # 34580) and the Invitrogen iBright FL1000 Imaging System. A ~110 kDa band corresponding to HCN1 was detected in rat and mouse brain lysates (lanes 1 and 2) but not in HEK-293T lysate (lane 3), as expected. Protein size was determined using Spectra Multicolor Broad Range Protein Ladder (Product # 26634). GAPDH Loading Control Antibody, Alexa Fluor 488 (Product # MA5-15738-A488) was used as a loading control.

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