

## Rabbit anti-Human HCN1 Polyclonal Antibody | anti-HCN1 antibody

HCN1 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                    |
|-----------|--------|------------|-------------------------------------------------|
| AAA234779 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, ELISA |

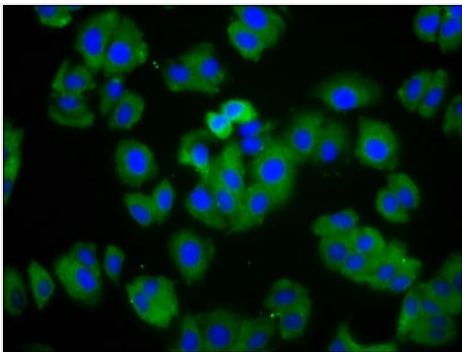
### PRODUCT SYNONYMS

HCN1; Polyclonal Antibody; HCN1 Antibody; Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1; Brain cyclic nucleotide-gated channel 1; BCNG-1; BCNG1; anti-HCN1 antibody

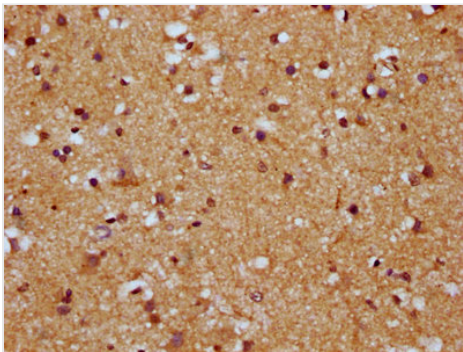
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                      |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                               |
| Reactivity                                     | Human                                                                                                                |
| Clonality                                      | Polyclonal                                                                                                           |
| Isotype                                        | IgG                                                                                                                  |
| Purity/Purification                            | >95%, Protein G purified                                                                                             |
| Form/Format                                    | Liquid                                                                                                               |
| Sequence Length                                | 890                                                                                                                  |
| Applicable Applications for anti-HCN1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA                                                           |
| Immunogen                                      | Recombinant Human Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1 protein (784-887AA) |
| Conjugation                                    | Non-conjugated                                                                                                       |
| Buffer                                         | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4                                     |
| Preparation and Storage                        | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.                                          |

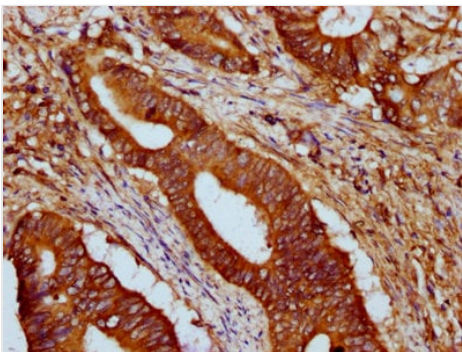
IMAGES



**IHC (Immunohistochemisry)**  
Immunofluorescence staining of HepG2 cells with AAA234779 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



**IHC (Immunohiostchemistry)**  
IHC image of AAA234779 diluted at 1:500 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



**IHC (Immunohistochemistry)**  
IHC image of AAA234779 diluted at 1:500 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                              |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HCN1 antibody | Hyperpolarization-activated ion channel exhibiting weak selectivity for potassium over sodium ions (PubMed:28086084). Contributes to the native pacemaker currents in heart (If) and in neurons (Ih). May mediate responses to sour stimuli. |
| Product Categories/Family for anti-HCN1 antibody   | Neuroscience; Cardiovascular                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| NCBI GI #                 | 116325989                                                                      |
| NCBI GeneID               | 348980                                                                         |
| NCBI Accession #          | NP_066550.2                                                                    |
| NCBI GenBank Nucleotide # | NM_021072.3                                                                    |
| UniProt Accession #       | O60741                                                                         |
| Molecular Weight          | 98,796 Da                                                                      |
| NCBI Official Full Name   | potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1 |

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| NCBI Official Synonym Full Names | hyperpolarization activated cyclic nucleotide gated potassium channel 1        |
| NCBI Official Symbol             | HCN1                                                                           |
| NCBI Official Synonym Symbols    | BCNG1; HAC-2; BCNG-1; EIEE24                                                   |
| NCBI Protein Information         | potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1 |
| UniProt Protein Name             | Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1 |
| UniProt Gene Name                | <b>HCN1</b>                                                                    |
| UniProt Synonym Gene Names       | BCNG1; BCNG-1                                                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hcn1-antibody-immunofluorescence-immunohistochemistry-elisa/234779>