

## Rabbit anti-Human KCNH7 Polyclonal Antibody | anti-KCNH7 antibody

Anti-KCNH7 Antibody, Rabbit Polyclonal

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA256941</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

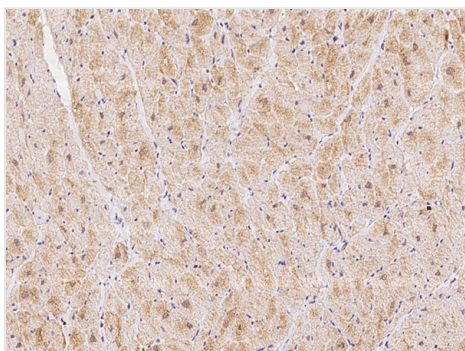
### PRODUCT SYNONYMS

KCNH7; Polyclonal Antibody; Anti-KCNH7 Antibody; Rabbit Polyclonal; KCNH7 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-ERG3 Antibody; Anti-Kv11.3 Antibody; anti-KCNH7 antibody

### PRODUCT SPECIFICATIONS

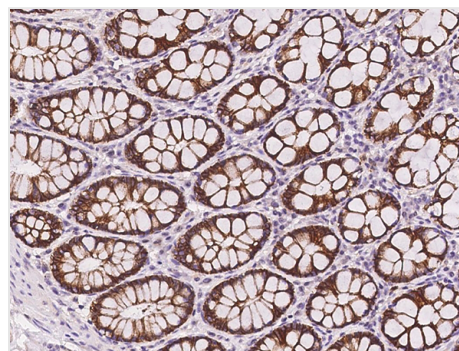
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|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                             |
| Reactivity                                      | Human                                                                                                                                                                                                                                              |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                         |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                                         |
| Specificity                                     | Human KCNH7                                                                                                                                                                                                                                        |
| Purity/Purification                             | Protein A & Antigen Affinity                                                                                                                                                                                                                       |
| Form/Format                                     | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                           |
| Applicable Applications for anti-KCNH7 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                         |
| Immunogen                                       | E Coli-derived Human KCNH7 fragment                                                                                                                                                                                                                |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                       |
| Preparation                                     | Produced in rabbits immunized with E Coli-derived Human KCNH7 fragment, and purified by antigen affinity chromatography.                                                                                                                           |
| Preparation and Storage                         | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunochemical staining of human KCNH7 in cynomolgus heart with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



#### IHC (Immunohistochemistry)

Immunochemical staining of human KCNH7 in human rectum with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Related Product Information for anti-KCNH7 antibody | The Kv11 family, also called the HERG family, belongs to the subfamily H of the voltage-gated potassium (Kv) channels and plays an important role in the membrane potential regulation. The Kv11 family includes three members, which are KCNH2/Kv11.1, KCNH6/Kv11.2, and KCNH7/Kv11.3. All Kv11 channels are expressed in the nervous system. KCNH7 and KCNH2 are expressed in the brain, and KCNH6 is predominantly expressed in the superior mesenteric ganglia. These expression data indicate their functions in the nervous system. KCNH2 is a risk gene for schizophrenia. One study revealed that schizophrenia patients with different KCNH2 genotypes showed different responses to risperidone, a common antipsychotic drug used in the clinic. The Kv11 family plays an important role in the antipsychotic response. |
| References                                          | Zouk H, et al. (2010) Study of transcriptional effects in cis at the ifih1 locus. PLoS One 5 (7): e11564. Wang X, et al. (2019) Association study of kcnh7 polymorphisms and individual responses to risperidone treatment in schizophrenia. Front Psychiatry 10 633. Strauss KA, et al. (2014) A population-based study of kcnh7 p.Arg394His and bipolar spectrum disorder. Hum Mol Genet 23 (23): 6395-6406.                                                                                                                                                                                                                                                                                                                                                                                                                    |

**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://www.aaabiotech.com/polyclonal/kcnh7-antibody-immunohistochemistry-elisa/256941>