

## Rabbit KCNB1 Polyclonal Antibody | anti-KCNB1 antibody

KCNB1 Polyclonal Antibody

|                               |                       |                                        |                                                    |
|-------------------------------|-----------------------|----------------------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA166306</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------------------|----------------------------------------------------|

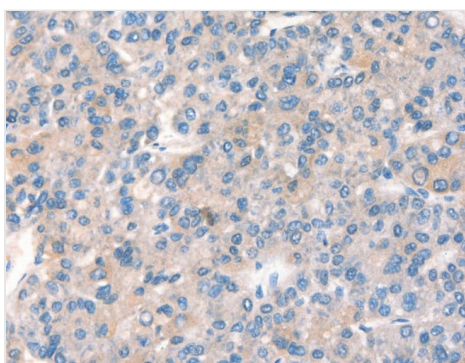
### PRODUCT SYNONYMS

KCNB1; Polyclonal Antibody; KCNB1 Polyclonal Antibody; DRK1; KV2.1; h-DRK1; anti-KCNB1 antibody

### PRODUCT SPECIFICATIONS

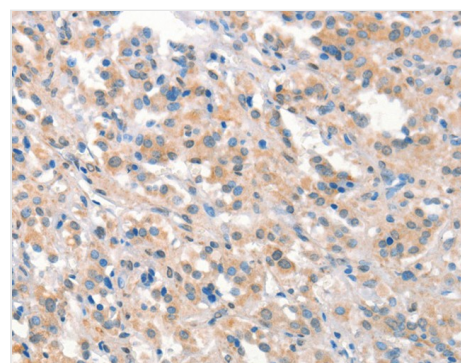
|                                                 |                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                    |
| Reactivity                                      | Human, Mouse, Rat                                                                         |
| Clonality                                       | Polyclonal                                                                                |
| Isotype                                         | IgG                                                                                       |
| Purity/Purification                             | Antigen affinity purification                                                             |
| Concentration                                   | 2.9mg/mL (varies by lot)                                                                  |
| Sequence Length                                 | 813                                                                                       |
| Applicable Applications for anti-KCNB1 antibody | IHC (Immunohistochemistry), ELISA                                                         |
| Immunogen                                       | Synthetic peptide of human KCNB1                                                          |
| Buffer                                          | PBS with 0.05% sodium azide, 50% glycerol, pH7.3                                          |
| Preparation and Storage                         | Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using KCNB1 Polyclonal Antibody at dilution 1:40



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using KCNB1 Polyclonal Antibody at dilution 1:40

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Related Product Information for anti-KCNB1 antibody | Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in Drosophila, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shab-related subfamily. This member is a delayed rectifier potassium channel and its activity is modulated by some other family members. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 84570020                                                                                                                                                                                                                                                                                                      |
| NCBI GeneID                      | 3745                                                                                                                                                                                                                                                                                                          |
| Molecular Weight                 | 95,878 Da                                                                                                                                                                                                                                                                                                     |
| NCBI Official Full Name          | KCNB1 protein, partial                                                                                                                                                                                                                                                                                        |
| NCBI Official Synonym Full Names | potassium channel, voltage gated Shab related subfamily B, member 1                                                                                                                                                                                                                                           |
| NCBI Official Symbol             | KCNB1                                                                                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | DRK1; KV2.1; EIEE26; h-DRK1                                                                                                                                                                                                                                                                                   |
| NCBI Protein Information         | potassium voltage-gated channel subfamily B member 1; delayed rectifier potassium channel 1; delayed rectifier potassium channel Kv2.1; h-DRK1 K(+) channel; potassium channel protein DRK1; potassium voltage-gated channel, Shab-related subfamily, member 1; voltage-gated potassium channel subunit Kv2.1 |
| UniProt Protein Name             | Potassium voltage-gated channel subfamily B member 1                                                                                                                                                                                                                                                          |
| UniProt Gene Name                | KCNB1                                                                                                                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | DRK1; h-DRK1                                                                                                                                                                                                                                                                                                  |
| UniProt Entry Name               | KCNB1_HUMAN                                                                                                                                                                                                                                                                                                   |

**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/kcnb1-antibody-immunohistochemistry-elisa/166306>