

## Rabbit anti-Human, Rat KCNK15 Polyclonal Antibody | anti-KCNK15 antibody

KCNK15 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                       |
|-----------|--------|------------|------------------------------------------------------------------------------------|
| AAA324964 | Rabbit | Human, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

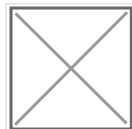
### PRODUCT SYNONYMS

KCNK15; Polyclonal Antibody; KCNK15 Antibody; Acid sensitive potassium channel protein TASK 5; Acid-sensitive potassium channel protein TASK-5; dJ781B1.1; K2p15.1; KCNK11; KCNK14; Kcnk15; KCNKF\_HUMAN; KIAA0237; KT3.3; OTTHUMP00000031072; Potassium channel subfamily K member 14; Potassium channel subfamily K member 15; Potassium family subfamily K member 15; TASK 5; TASK5; TWIK related acid sensitive K(+) channel 5; TWIK-related acid-sensitive K(+) channel 5; Two pore K(+) channel KT3.3; Two pore potassium channel KT3.3; anti-KCNK15 antibody

### PRODUCT SPECIFICATIONS

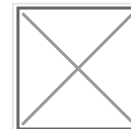
|                                                  |                                                                                                                                                                          |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                   |
| Reactivity                                       | Human, Rat                                                                                                                                                               |
| Clonality                                        | Polyclonal                                                                                                                                                               |
| Isotype                                          | IgG                                                                                                                                                                      |
| Specificity                                      | KCNK15 antibody detects endogenous levels of total KCNK15                                                                                                                |
| Purity/Purification                              | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                                                            |
| Form/Format                                      | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                            |
| Concentration                                    | 1mg/ml (varies by lot)                                                                                                                                                   |
| Sequence Length                                  | 330                                                                                                                                                                      |
| Applicable Applications for anti-KCNK15 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                 |
| Immunogen                                        | A synthesized peptide                                                                                                                                                    |
| Tissue Specificity                               | Detected in pancreas, heart, placenta, lung, liver, kidney, ovary, testis, skeletal muscle and adrenal gland, and at lower levels in prostate, spleen and thyroid gland. |
| Conjugation                                      | Unconjugated                                                                                                                                                             |
| Preparation and Storage                          | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                                                        |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from A549 cells, using KCNK15 antibody.



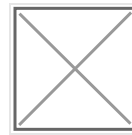
#### IF (Immunofluorescence)

AAA324964 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



#### IHC (Immunohistochemistry)

AAA324964 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



#### IF (Immunofluorescence)

AAA324964 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

## ADDITIONAL INFORMATION

### Related Product Information for anti-KCNK15 antibody

Function: Probable potassium channel subunit. No channel activity observed in heterologous systems. May need to associate with another protein to form a functional channel.  
Subunit Structure: Heterodimer.  
Similarity: Belongs to the two pore domain potassium channel (TC 1.A.1.8) family.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                          |
|----------------------------------|----------------------------------------------------------|
| NCBI GI #                        | 333440483                                                |
| NCBI GeneID                      | 60598                                                    |
| NCBI Accession #                 | NP_071753.2                                              |
| NCBI GenBank Nucleotide #        | NM_022358.3                                              |
| UniProt Accession #              | Q9H427; Q52LL3; Q9HBC8                                   |
| Molecular Weight                 | Observed: 42 kD<br>Predicted: 37 kDa                     |
| NCBI Official Full Name          | potassium channel subfamily K member 15                  |
| NCBI Official Synonym Full Names | potassium two pore domain channel subfamily K member 15  |
| NCBI Official Symbol             | KCNK15                                                   |
| NCBI Official Synonym Symbols    | KT3.3; TASK5; KCNK11; KCNK14; TASK-5; K2p15.1; dJ781B1.1 |
| NCBI Protein Information         | potassium channel subfamily K member 15                  |
| UniProt Protein Name             | Potassium channel subfamily K member 15                  |
| UniProt Gene Name                | <b>KCNK15</b>                                            |
| UniProt Synonym Gene Names       | TASK5; Two pore K(+) channel KT3.3                       |

**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/kcnk15-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324964>