

Product datasheet for **TA342055**

KCNK4 Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | The immunogen for anti-KCNK4 antibody: synthetic peptide directed towards the N terminal of human KCNK4. Synthetic peptide located within the following region: ELGEVREKFLRAHPCVSDQELGLLIKEVADALGGGADPETNSTSNSSHSA |
| Formulation: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| Concentration: | lot specific |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 43 kDa |
| Gene Name: | potassium two pore domain channel subfamily K member 4 |
| Database Link: | NP_201567 Entrez Gene 50801 Human Q9NYG8 |



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Background:

Potassium channels play a role in many cellular processes including maintenance of the action potential, muscle contraction, hormone secretion, osmotic regulation, and ion flow. KCNK4 is one of the members of the superfamily of potassium channel proteins containing two pore-forming P domains. It homodimerizes and functions as an outwardly rectifying channel. It is expressed primarily in neural tissues and is stimulated by membrane stretch and polyunsaturated fatty acids. Potassium channels play a role in many cellular processes including maintenance of the action potential, muscle contraction, hormone secretion, osmotic regulation, and ion flow. This gene encodes one of the members of the superfamily of potassium channel proteins containing two pore-forming P domains. The encoded protein homodimerizes and functions as an outwardly rectifying channel. It is expressed primarily in neural tissues and is stimulated by membrane stretch and polyunsaturated fatty acids. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Synonyms:

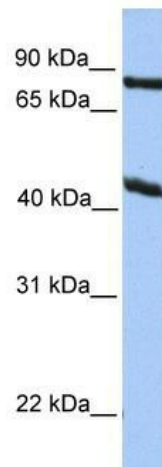
K2p4.1; TRAAK; TRAAK1

Note:

Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Guinea pig: 100%; Rabbit: 93%; Dog: 86%; Horse: 86%; Bovine: 86%

Protein Families:

Druggable Genome, Ion Channels: Potassium, Transmembrane

Product images:

WB Suggested Anti-KCNK4 Antibody Titration:
0.2-1 ug/ml; Positive Control: HepG2 cell lysate