

## Product datasheet for **TA355758**

### KCNK4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human KCNK4
Specificity:	<b>Expected reactivity:</b> Cow, Dog, Guinea Pig, Horse, Human, Pig, Rat <b>Homology:</b> Cow: 100%; Dog: 100%; Guinea Pig: 79%; Horse: 100%; Human: 100%; Pig: 100%; Rat: 85%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	46kDa
Gene Name:	potassium two pore domain channel subfamily K member 4
Database Link:	<a href="#">Entrez Gene 50801 Human</a> <a href="#">Q9NYG8-2</a>



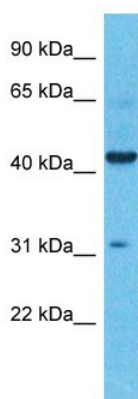
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**Background:**

Potassium channels play a role in many cellular processes including maintenance of the action potential, muscle contraction, hormone secretion, osmotic regulation, and ion flow. 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.

**Synonyms:**

K2p4.1; TRAAK; TRAAK1

**Product images:**

Host: Rabbit  
Target Name: KCNK4  
Sample Type: Colorectal Tumor lysates  
Antibody Dilution: 1.0ug/ml