

Product datasheet for **TA338549**

KIR2.3 (KCNJ4) 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-KCNJ4 antibody: synthetic peptide directed towards the middle region of human KCNJ4. Synthetic peptide located within the following region: AVAAGLGLLEAGSKEEAGIIRMLEFGSHLDLERMQASLPLDNISYRRESAI
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:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	49 kDa
Gene Name:	potassium voltage-gated channel subfamily J member 4
Database Link:	NP_004972 Entrez Gene 3761 Human P48050



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Background:

Several different potassium channels are known to be involved with electrical signaling in the nervous system. One class is activated by depolarization whereas a second class is not. The latter are referred to as inwardly rectifying K⁺ channels, and they have a greater tendency to allow potassium to flow into the cell rather than out of it. This asymmetry in potassium ion conductance plays a key role in the excitability of muscle cells and neurons. The protein encoded by this gene is an integral membrane protein and member of the inward rectifier potassium channel family. The encoded protein has a small unitary conductance compared to other members of this protein family. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

Synonyms:

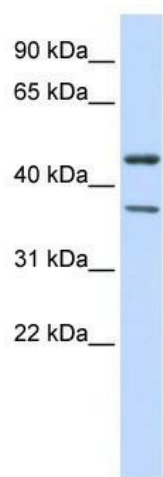
HIR; HIRK2; HRK1; IRK-3; IRK3; Kir2.3

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Guinea pig: 100%

Protein Families:

Druggable Genome, Ion Channels: Potassium, Transmembrane

Product images:

WB Suggested Anti-KCNJ4 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control: 293T cell lysate KCN4 is supported by BioGPS gene expression data to be expressed in HEK293T