

## Product datasheet for **TA328965**

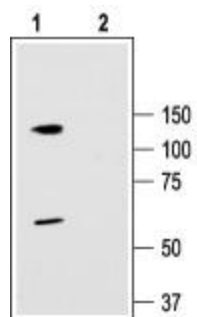
### Kcnc3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:200-1:2000; IHC: 1:100-1:3000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide KSPITPGSRGRYSRDRAC, corresponding to?Å amino acid residues 701-718 of rat Kv3.3 . Intracellular, C-terminus.
Formulation:	Lyophilized. Concentration before lyophilization ~0.8mg/ml (lot dependent, please refer to CoA along with shipment for actual concentration). Buffer before lyophilization: Phosphate buffered saline (PBS), pH 7.4, 1% BSA, 0.05% NaN <sub>3</sub> .
Reconstitution Method:	Add 50 ul double distilled water (DDW) to the lyophilized powder.
Purification:	Affinity purified on immobilized antigen.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	potassium voltage-gated channel subfamily C member 3
Database Link:	<a href="#">NP_446449</a> <a href="#">Entrez Gene 3748 Human</a> <a href="#">Entrez Gene 16504 Mouse</a> <a href="#">Entrez Gene 117101 Rat</a>
Background:	Kv3.3 is a member of the Shaw type family of voltage-gated K <sup>+</sup> channels that includes four members (Kv3.1-3.4). Kv3 subfamily members inactivate very rapidly and therefore are thought to play a role in the repolarization of action potentials and to facilitate repetitive high frequency firing. Kv3.3 is mostly localized in the brain, although it has been observed in vascular smooth muscle cells and eye epithelium. In the brain its expression pattern largely overlaps that of the Kv3.1 channel suggesting that they may form functional heteromers. Indeed, mouse knockouts of both Kv3.1 and Kv3.3, but not either channel alone, display severe motor defects.
Synonyms:	KSHIID; KV3.3; SCA13



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**Product images:**

Western blotting of rat brain membranes: 1. Anti-Kv3.3 antibody (1:200). 2. Anti-Kv3.3 antibody, preincubated with the control peptide antigen.