

Product datasheet for **TA336758**

KCNC1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-1:1000, Blocking/Neutralizing 50-200 molar excess, IP: 1:10-1:500
Reactivity:	Human, Mouse, Rat, Bovine, Canine, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide made to an internal portion of rat Kv3.1 (within residues 350-400). [Swiss-Prot# P25122]
Formulation:	PBS, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	110 kDa
Gene Name:	potassium voltage-gated channel subfamily C member 1
Database Link:	NP_004967 Entrez Gene 16502 Mouse Entrez Gene 25327 Rat Entrez Gene 3746 Human P48547



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Background:

Voltage-gated K⁺ channels are important determinants of neuronal membrane excitability. Moreover, differences in K⁺ channel expression patterns and densities contribute to the variations in action potential waveforms and repetitive firing patterns evident in different neuronal cell types (Maletic-Savatic et al., 1995; Pongs, 1999; Blaine and Ribera, 1998; Burger and Ribera, 1996). The Kv3.1 potassium channel is expressed at high levels in neurons that characteristically fire rapid trains of action potentials (Gan et al., 1999). Particularly high levels of this channel are found in neurons of the auditory brainstem. These neurons appear to participate in neural circuits that determine the intensity and timing of auditory stimuli and use this information to determine the location of sounds in space (von Hehn et al., 2004).

Synonyms:

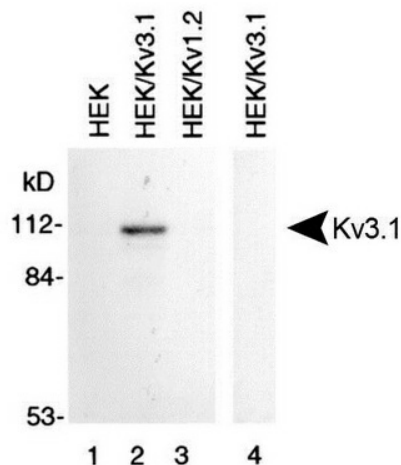
EPM7; KV3.1; KV4; NGK2

Note:

This Kv3.1 antibody is useful for Blocking/Neutralizing, Western blot and Immunoprecipitation. In WB a band can be seen at ~110 kDa.

Protein Families:

Druggable Genome, Ion Channels: Potassium, Transmembrane

Product images:

Western Blot: Kv3.1 Antibody TA336758 - Membrane preparations from HEK-293 cells untransfected (lane 1), transfected with Kv3.1 (lanes 2 and 4) and transfected with Kv1.2 (lane 3) were subjected to SDS-PAGE and were Western blotted with Kv3.1 Antibody (