OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA328960

Kcna7 Rabbit Polyclonal Antibody

Product data:

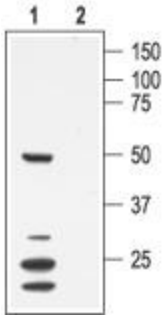
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:200-1:2000
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide TTRKAQEIHGKAPG(C), corresponding to amino acid residues 2-15 of mouse KV1.7. Intracellular, N-terminus.
Formulation:	Lyophilized. Concentration 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% NaN3.
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, shaker-related subfamily, member 7
Database Link:	NP_034726 Entrez Gene 16495 Mouse Q17ST2

View online »

Background: The Kv1.7 voltage-gated K+ channel, is a member of the Shaker family of K+ channels that today includes eight members (Kv1.1- Kv1.8). Kv1.7 possesses the signature structure of the voltage-dependent K+ channels: six membrane-spanning domains and intracellular N and C termini. As with other channels of the Shaker subfamily, Kv1.7 can readily form heteromers with other members of the subfamily to compose the tetramer that forms the functional channel.Kv1.7 mRNA was found to be expressed mainly in the heart with somewhat lower levels in pancreas and skeletal muscle.The biophysical and pharmacological properties of the Kv1.7 channel closely resembles that of the ultra-rapidly activating delayed rectifier (IKur) in cardiac tissue. This current plays a central role in cardiac atrial repolarization that was largely believed to correspond to the activity of the Kv1.5 channel. This raises the possibility that the IKur current is the result of a heteromeric Kv1.5/ Kv1.7 channel.

Synonyms: HAK6; Kv1.7

Product images:



Western blot analysis of mouse heart membranes: 1. Anti-KV1.7 antibody, (1:200). 2. Anti-KV1.7 antibody, preincubated with the control peptide antigen.