

Mouse Monoclonal Antibody to KCND2

Catalogue Number	sAP-1115
Target Molecule	Name: KCND2 Aliases: RK5; KV4.2 MW: 70.5kDa Entrez Gene ID: 3751
Description	Voltage-gated potassium (K _v) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in <i>Drosophila</i> , and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shal-related subfamily, members of which form voltage-activated A-type potassium ion channels and are prominent in the repolarization phase of the action potential. This member mediates a rapidly inactivating, A-type outward potassium current which is
Immunogen	Purified recombinant fragment of human KCND2 (AA: 27-184) expressed in E. Coli.
Reactive Species	Human;
Clone	MM7G6A10;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: ; ICC: ; FCM:
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	Neurobiol Dis. 2009 Oct;36(1):81-95. ; J Gen Physiol. 2009 Feb;133(2):205-24.;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**