

## Mouse Monoclonal Antibody to KCND2

<b>Catalogue Number</b>	sAP-1106
<b>Target Molecule</b>	<b>Name:</b> KCND2 <b>Aliases:</b> RK5; KV4.2 <b>MW:</b> 70.5kDa <b>Entrez Gene ID:</b> 3751
<b>Description</b>	Voltage-gated potassium (K <sub>v</sub> ) 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
<b>Immunogen</b>	Purified recombinant fragment of human KCND2 (AA: 27-184) expressed in E. Coli.
<b>Recitative Species</b>	Human;
<b>Clone</b>	MM5B11B9;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: ; ICC: ; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	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**