## **PRODUCT DATA SHEET**

## KV41 Polyclonal Antibody

Catalog No	IPB/152
Reactivity	Human; Mouse;
Applications	WB; IHC; ELISA
Dilution	WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA: 1:20000
Gene Name	KCND1
Protein Name	Potassium voltage-gated channel subfamily D member 1
Human Gene Id	3750
Swiss-Prot	Q9NSA2
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-
	chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	Membrane; Multi-pass membrane protein Cell projection, dendrite
MW	71330
Background	Voltage-gated potassium (Kv) 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 Drosophila, 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 not under the control of the N terminus

## **Products Images:**

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Western blot analysis of lysates from NIH/3T3 cells, using KCND1 Antibody. The lane on the right is blocked with the synthesized peptide.