KV4.1 rabbit pAb

Cat#: orb768871 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	KV4.1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human KCND1. AA range:558-607
Specificity	KV4.1 Polyclonal Antibody detects endogenous levels of KV4.1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Potassium voltage-gated channel subfamily D member 1
Gene Name	KCND1
Cellular localization	Membrane; Multi-pass membrane protein. Cell projection, dendrite .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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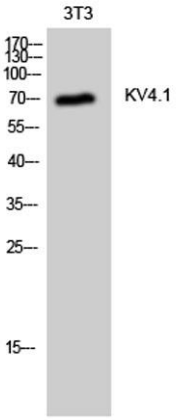
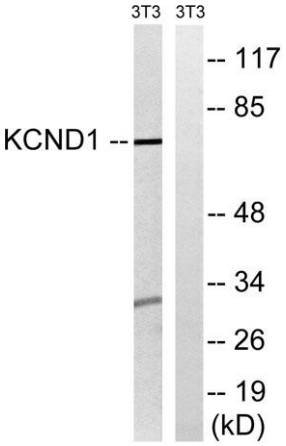
Concentration	1 mg/ml
Observed band	70kD
Human Gene ID	3750
Human Swiss-Prot Number	Q9NSA2
Alternative Names	KCND1; Potassium voltage-gated channel subfamily D member 1; Voltage-gated potassium channel subunit Kv4.1
Background	This gene encodes a multipass membrane protein that comprises the pore subunit of the voltage-gated A-type potassium channel, which functions in the repolarization of membrane action potentials. Activity of voltage-gated potassium channels is important in a number of physiological processes, among them the regulation of neurotransmitter release, heart rate, insulin secretion, and smooth muscle contraction. [provided by RefSeq, Aug 2013],



Western Blot analysis of 3T3 cells using KV4.1 Polyclonal Antibody



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

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