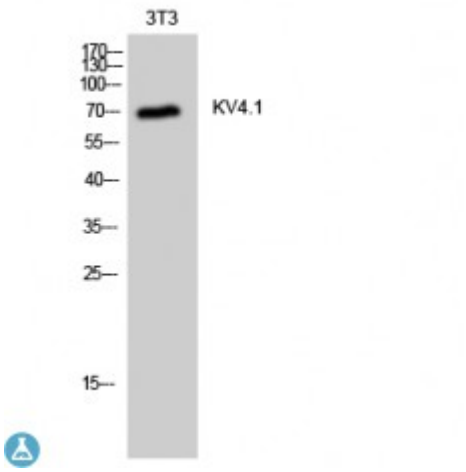
Anti-KV4.1 antibody



Description	Rabbit polyclonal to KV4.1.

Model	STJ93878
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human KV4.1
Immunogen Region	530-610 aa, C-terminal
Gene ID	3750
Gene Symbol	KCND1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000
Specificity	KV4.1 Polyclonal Antibody detects endogenous levels of KV4.1 protein.
Tissue Specificity	Widely expressed. Highly expressed in brain, in particular in cerebellum and thalamus; detected at lower levels in the other parts of the brain.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Potassium voltage-gated channel subfamily D member 1 Voltage-gated potassium channel subunit Kv4.1
Molecular Weight	70 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6237OMIM:300281
Alternative Names	Potassium voltage-gated channel subfamily D member 1 Voltage-gated potassium channel subunit Kv4.1
Function	Pore-forming (alpha) subunit of voltage-gated rapidly inactivating A-type potassium channels. May contribute to I(To) current in heart and I(Sa) current in neurons. Channel properties are modulated by interactions with other alpha subunits and with regulatory subunits.
Sequence and Domain Family	The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.
Cellular Localization	Membrane. Multi-pass membrane protein. Cell projection, dendrite