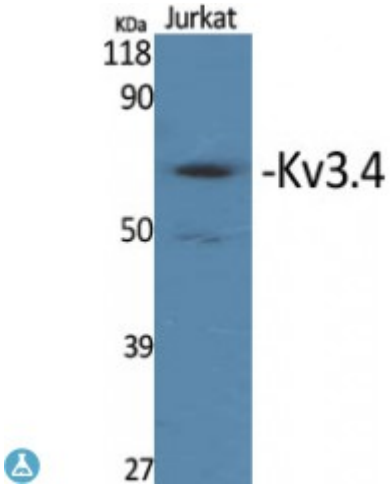
Anti-Kv3.4 antibody



Description	Rabbit polyclonal to Kv3.4.

Model	STJ93877
Host	Rabbit
Reactivity	Human, Mouse, Simian
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Kv3.4 around the non-phosphorylation site of S15.
Immunogen Region	1-80 aa
Gene ID	3749
Gene Symbol	KCNC4
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	Kv3.4 Polyclonal Antibody detects endogenous levels of Kv3.4 protein.
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 C member 4 KSHIIIC Voltage-gated potassium channel subunit Kv3.4
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:6236OMIM:176265
Alternative Names	Potassium voltage-gated channel subfamily C member 4 KSHIIIC Voltage-gated potassium channel subunit Kv3.4
Function	This protein mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient.
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.; The tail may be important in modulation of channel activity and/or targeting of the channel to specific subcellular compartments.
Cellular Localization	Membrane. Multi-pass membrane protein.
Post-translational Modifications	Phosphorylation of serine residues in the inactivation gate inhibits rapid channel closure.