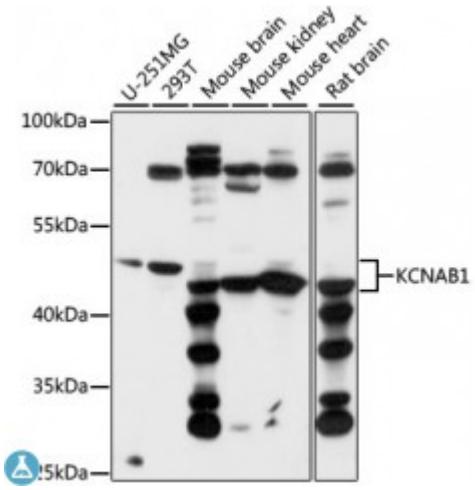
Anti-KCNAB1 Antibody



Description	Potassium 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, shaker-related subfamily. This member includes distinct isoforms which are encoded by alternatively spliced transcript variants of this gene. Some of these isoforms are beta subunits, which form heteromultimeric complexes with alpha subunits and modulate the activity of the pore-forming alpha subunits.
Model	STJ117529
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 282-401 of human KCNAB1 (NP_751891.1).
Gene ID	7881
Gene Symbol	KCNAB1
Dilution range	WB 1:200 - 1:2000
Tissue Specificity	In brain, expression is most prominent in caudate nucleus, hippocampus and thalamus, Significant expression also detected in amygdala and subthalamic

	nucleus, Also expressed in both healthy and cardiomyopathic heart, Up to four times more abundant in left ventricle than left atrium
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Voltage-gated potassium channel subunit beta-1
Molecular Weight	46.563 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:6228OMIM:601141Reactome:R-HSA-1296072
Alternative Names	Voltage-gated potassium channel subunit beta-1
Function	Cytoplasmic potassium channel subunit that modulates the characteristics of the channel-forming alpha-subunits ,
Cellular Localization	Cytoplasm