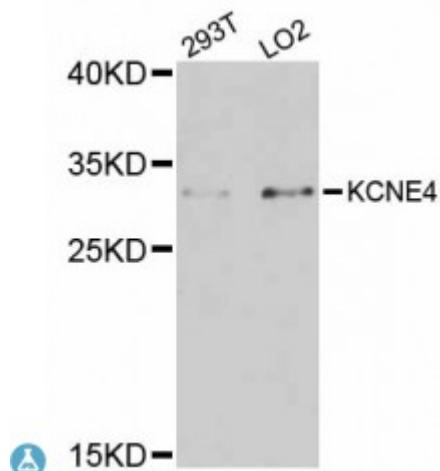


Anti-KCNE4 Antibody



Description

Voltage-gated potassium (K_v) 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. This gene encodes a member of the potassium channel, voltage-gated, isk-related subfamily. This member is a type I membrane protein, and a beta subunit that assembles with a potassium channel alpha-subunit to modulate the gating kinetics and enhance stability of the multimeric complex. This gene is prominently expressed in the embryo and in adult uterus.

Model	STJ114077
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 108-221 of human KCNE4 (NP_542402.3).
Gene ID	23704
Gene Symbol	KCNE4
Dilution range	WB 1:500 - 1:1000
Tissue Specificity	Predominantly expressed in embryo and adult uterus, Low expression found in kidney, small intestine, lung and heart
Purification	Affinity purification

Note	For Research Use Only (RUO).
Protein Name	Potassium voltage-gated channel subfamily E member 4 MinK-related peptide 3 Minimum potassium ion channel-related peptide 3 Potassium channel subunit beta MiRP3
Molecular Weight	23.806 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:6244 OMIM:607775 Reactome:R-HSA-5576890
Alternative Names	Potassium voltage-gated channel subfamily E member 4 MinK-related peptide 3 Minimum potassium ion channel-related peptide 3 Potassium channel subunit beta MiRP3
Function	Ancillary protein that assembles as a beta subunit with a voltage-gated potassium channel complex of pore-forming alpha subunits, Modulates the gating kinetics and enhances stability of the channel complex, May associate with KCNQ1/KVLTQ1 and inhibit potassium current
Cellular Localization	Membrane

St John's Laboratory Ltd

F +44 (0)207 681 2580
T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>
E info@stjohnslabs.com