



# KCNE4 Polyclonal Antibody

<b>Catalog No</b>	BYab-05955
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	KCNE4
<b>Protein Name</b>	Potassium voltage-gated channel subfamily E member 4 (MinK-related peptide 3) (Minimum potassium ion channel-related peptide 3) (Potassium channel subunit beta MiRP3)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 90-170
<b>Specificity</b>	KCNE4 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	18kD
<b>Cell Pathway</b>	Membrane ; Single-pass membrane protein .
<b>Tissue Specificity</b>	Predominantly expressed in embryo and adult uterus. Low expression found in kidney, small intestine, lung and heart.
<b>Function</b>	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.,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/KVLQT1 and inhibit potassium current.,similarity:Belongs to the potassium channel KCNE family.,subunit:Associates with KCNQ1/KVLQT1.,tissue specificity:Predominantly expressed in embryo and adult uterus. Low expression found in kidney, small intestine, lung and heart.,

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### Background

potassium voltage-gated channel subfamily E regulatory subunit 4(KCNE4) Homo sapiens Voltage-gated potassium (Kv) 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. [provided by RefSeq, Jul 2008],

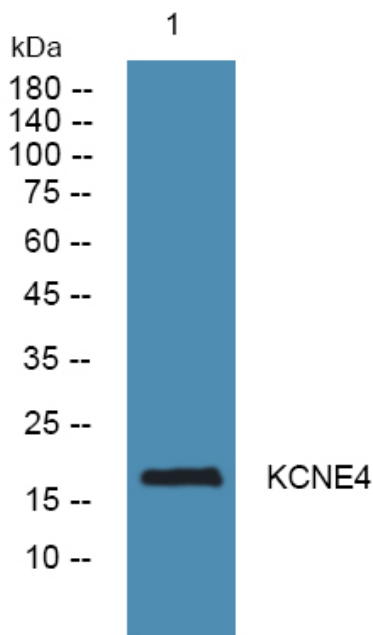
### matters needing attention

Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4° over night