



## Rabbit Anti-KCNK9 antibody

SL5933R

<b>Product Name:</b>	KCNK9
<b>Chinese Name:</b>	TWIK相关酸敏感钾离子Channel protein9抗体
<b>Alias:</b>	KCNK 9; KCNK-9; TASK3; Potassium channel subfamily K member 9; Acid-sensitive potassium channel protein TASK-3; TWIK-related acid-sensitive K(+) channel 3; Two pore potassium channel KT3.2; Short=Two pore K(+) channel KT3.2; KCNK9_HUMAN
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	40kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human KCNK9:21-120/374<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	KCNK9 or TASK-3 (TWIK-related Acid sensitive K+ channel) is a member of the potassium channel family of proteins that contain two-pore domain and four transmembrane domains. These channels are characterized as leak K+ channels that are

sensitive to changes in the extracellular pH. The physiological functions of TASK channels are largely unknown; it has been proposed that they may be involved in the regulation of breathing, aldosterone secretion and anesthetic-mediated neuronal activity. They were found to act in neurons' membrane potential and in resting K<sup>+</sup> currents.

**Function:**

pH-dependent, voltage-insensitive, background potassium channel protein.

**Subcellular Location:**

Membrane; Multi-pass membrane protein

**Tissue Specificity:**

Mainly found in the cerebellum. Also found in adrenal gland, kidney and lung.

**DISEASE:**

Defects in KCNK9 are the cause of Birk-Barel mental retardation dysmorphism syndrome (BIBAS) [MIM:612292]. A syndrome characterized by mental retardation, hypotonia, hyperactivity, and facial dysmorphism.

**Similarity:**

Belongs to the two pore domain potassium channel (TC 1.A.1.8)

**SWISS:**

Q9NPC2

**Gene ID:**

51305

**Database links:**

[Entrez Gene: 428382](#)Chicken

[Entrez Gene: 51305](#)Human

[Oimim: 605874](#)Human

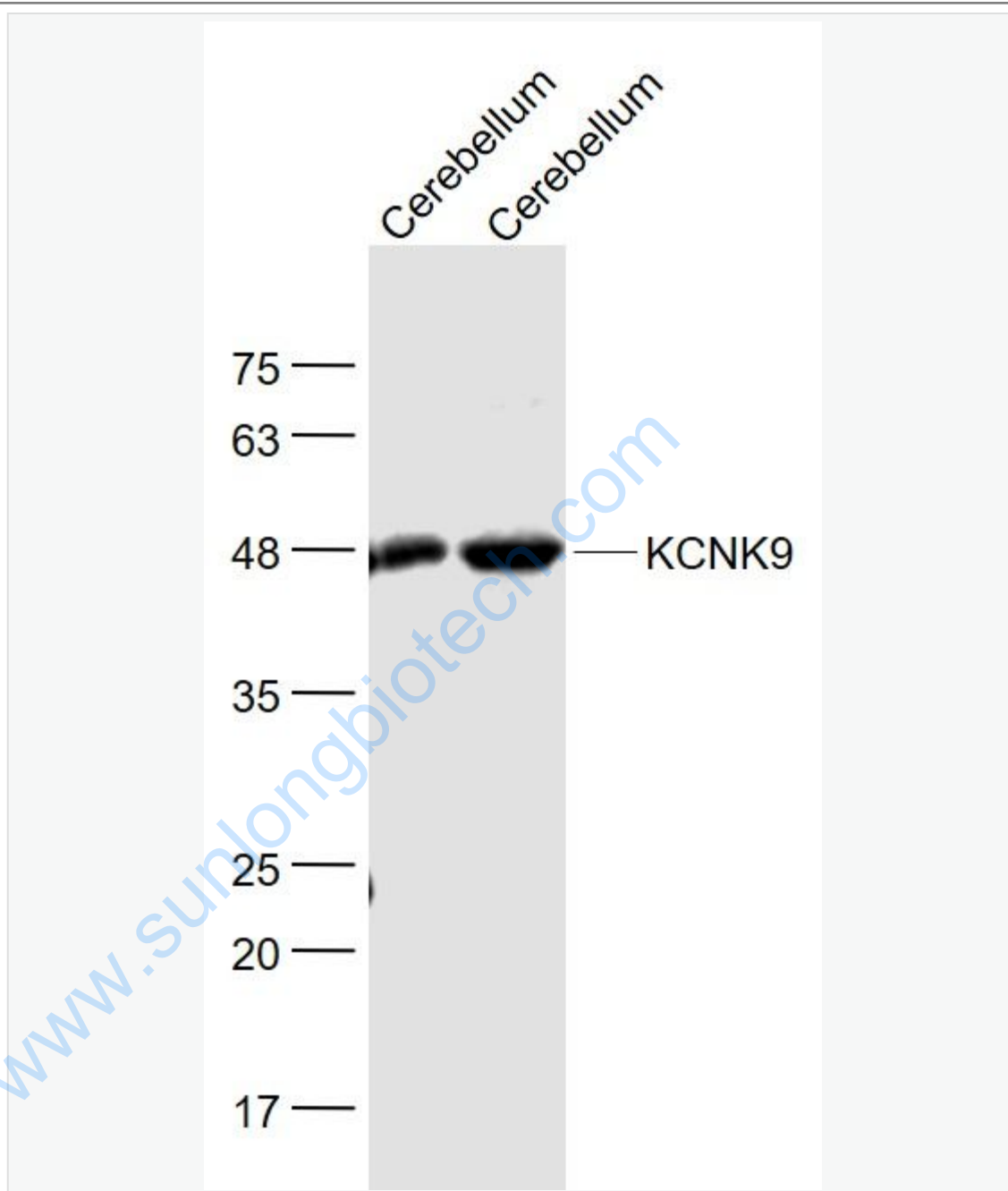
[SwissProt: Q9NPC2](#)Human

[Unigene: 493037](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Cerebrum (Mouse) Lysate at 40 ug

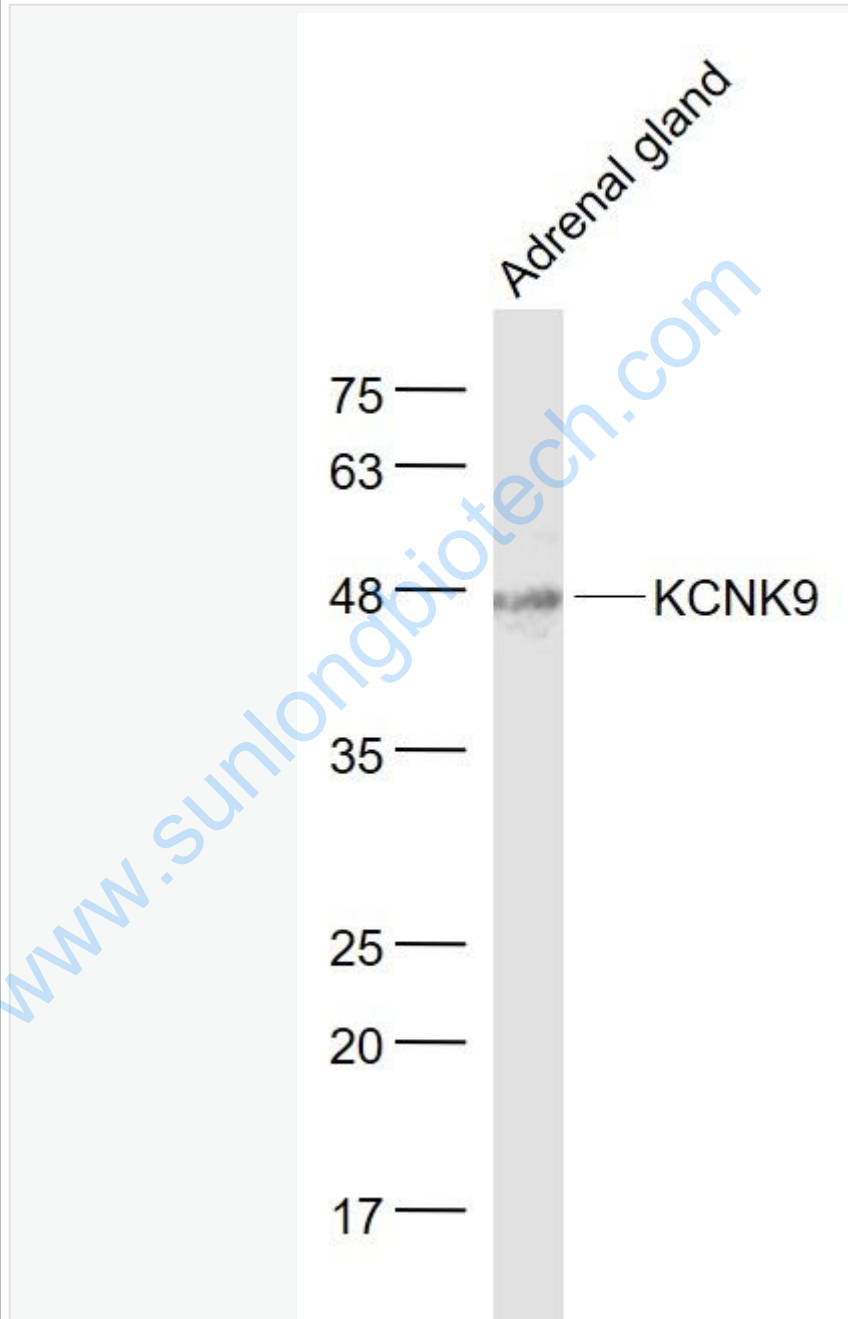
Cerebrum (Rat) Lysate at 40 ug

Primary: Anti- KCNK9 (SL5933R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 40 kD

Observed band size: 48 kD



Sample:

Adrenal gland (Mouse) Lysate at 40 ug

Primary: Anti- KCNK9 (SL5933R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 40 kD

Observed band size: 48 kD

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