



## Rabbit Anti-KCNK3 antibody

SL6674R

<b>Product Name:</b>	KCNK3
<b>Chinese Name:</b>	酸敏感钾离子Channel protein3抗体
<b>Alias:</b>	cTBAK 1; Acid sensitive potassium channel protein TASK 1; Cardiac two pore background K(+) channel; K2p3.1; OAT1; potassium channel, subfamily K, member 3; rTASK; TASK 1; TBAK1; TWIK related acid sensitive K+ channel; Two pore potassium channel KT3.1; KCNK3; TASK; TASK1; PPH4; TASK; TASK-1; TBAK1; KCNK3 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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>	43kDa
<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 KCNK3:51-150/394<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>	This gene encodes a member of the superfamily of potassium channel proteins that contain two pore-forming P domains. The encoded protein is an outwardly rectifying

channel that is sensitive to changes in extracellular pH and is inhibited by extracellular acidification. Also referred to as an acid-sensitive potassium channel, it is activated by the anesthetics halothane and isoflurane. Although three transcripts are detected in northern blots, there is currently no sequence available to confirm transcript variants for this gene. [provided by RefSeq, Aug 2008].

**Function:**

pH-dependent, voltage-insensitive, background potassium channel protein. Rectification direction results from potassium ion concentration on either side of the membrane. Acts as an outward rectifier when external potassium concentration is low. When external potassium concentration is high, current is inward.

**Subcellular Location:**

Membrane; Multi-pass membrane protein (Potential).

**Tissue Specificity:**

Widespread expression in adult. Strongest expression in pancreas and placenta. Lower expression in brain, lung, prostate, heart, kidney, uterus, small intestine and colon.

**Similarity:**

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

**SWISS:**

O14649

**Gene ID:**

3777

**Database links:**

[Entrez Gene: 3777](#)Human

[Entrez Gene: 16527](#)Mouse

[Entrez Gene: 29553](#)Rat

[Omim: 603220](#)Human

[SwissProt: O14649](#)Human

[SwissProt: Q53SU2](#)Human

[SwissProt: O35111](#)Mouse

[SwissProt: O54912](#)Rat

[Unigene: 645288](#)Human

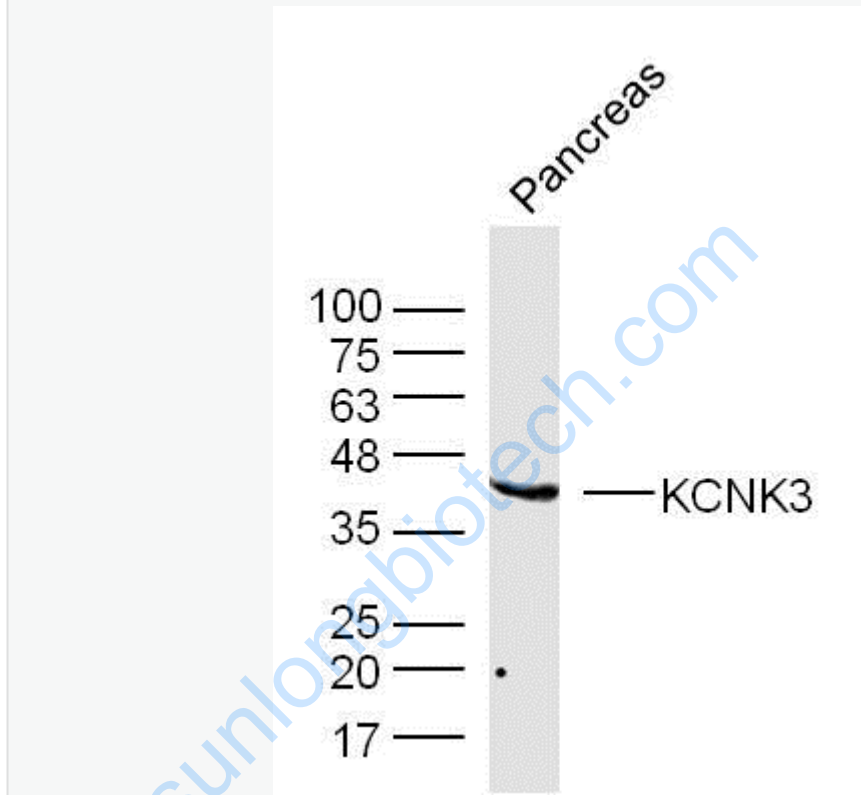
[Unigene: 439936](#)Mouse

[Unigene: 15536](#)Rat

**Important Note:**

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

**Picture:**



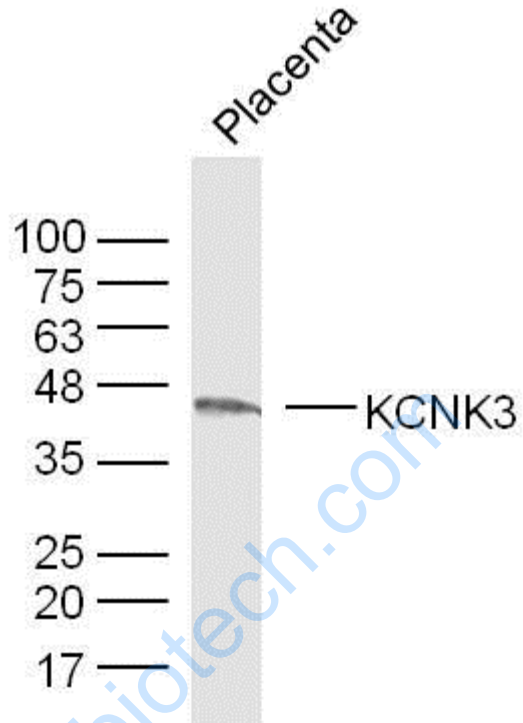
Sample: Pancreas (Mouse) Lysate at 40 ug

Primary: Anti-KCNK3 (SL6674R) at 1/300 dilution

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

Predicted band size: 43 kD

Observed band size: 43 kD



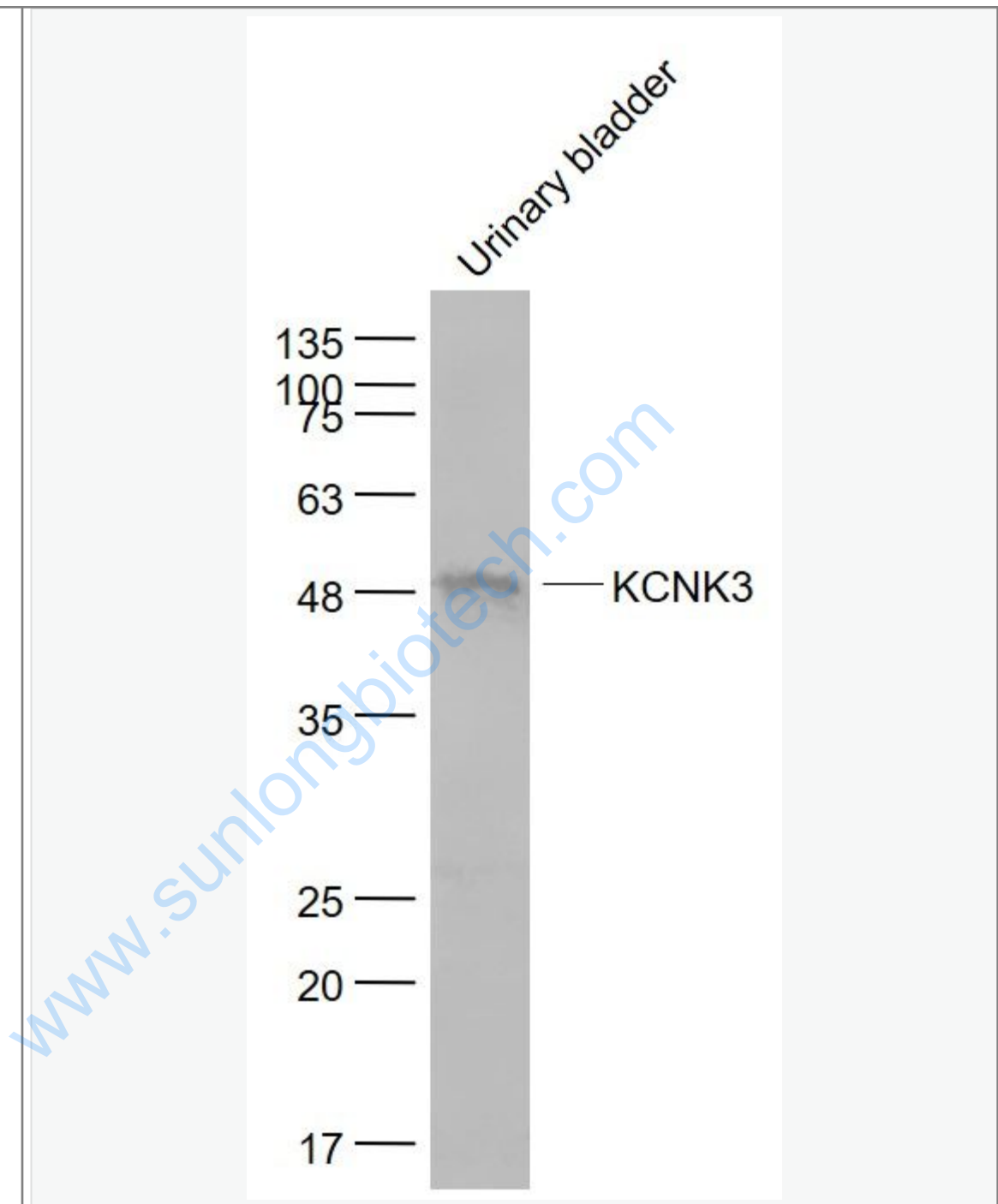
Sample: Placenta (Mouse) Lysate at 40 ug

Primary: Anti-KCNK3 (SL6674R) at 1/300 dilution

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

Predicted band size: 43 kD

Observed band size: 43 kD



Sample:

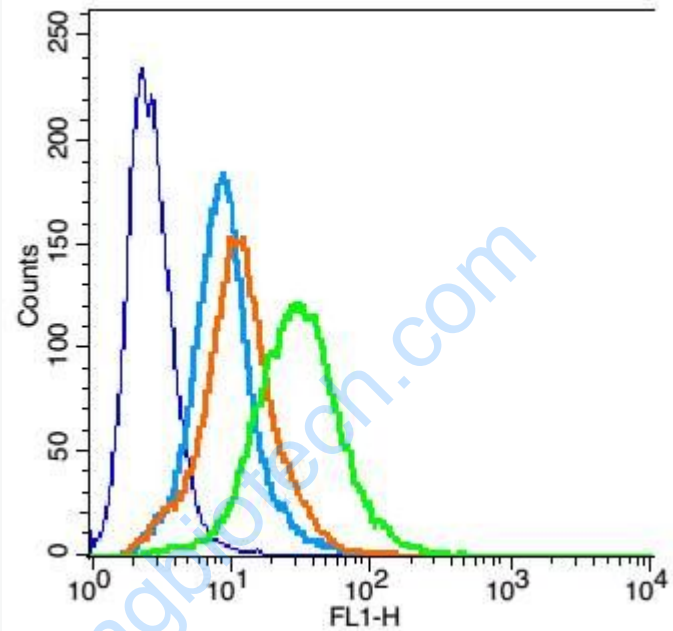
Urinary bladder (Mouse) Lysate at 40 ug

Primary: Anti- KCNK3 (SL6674R) at 1/1000 dilution

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

Predicted band size: 43 kD

Observed band size: 49 kD



Blank control(blue): H9C2 (fixed with 2% paraformaldehyde (10 min)) .

Primary Antibody:Rabbit Anti- KCNK3 antibody(SL6674R), Dilution: 6ug in 100 uL 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions );

Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.