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Rabbit Anti-KCNK5/AP Conjugated antibody

SL16904R-AP

Product Name	Anti-KCNK5/AP
Chinese Name	碱性磷酸酶（AP）标记的钾离子 Channel protein5 抗体
Alias	Acid sensitive potassium channel protein TASK 2; Acid-sensitive potassium channel protein TASK-2; FLJ11035; K2p5.1; KCNK 5; KCNK5; KCNK5_HUMAN; Potassium channel subfamily K member 1; Potassium channel subfamily K member 5; TASK 2; TASK2; TWIK related acid sensitive K(+) channel 2; TWIK related acid sensitive K+ channel 2; TWIK-related acid-sensitive K(+) channel 2.
Research Area	Tumour Cell biology Neurobiology Channel protein The cell membrane 受体
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Chicken,Cow,Horse,Sheep)
Applications	IHC-P=1:100-500,IHC-F=1:100-500,ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	56kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human KCNK5
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** This gene encodes one of the members of the superfamily of potassium channel proteins containing two pore-forming P domains. The message for this gene is mainly expressed in the cortical distal tubules and collecting ducts

of the kidney. The protein is highly sensitive to external pH and this, in combination with its expression pattern, suggests it may play an important role in renal potassium transport. [provided by RefSeq, Jul 2008]

Function:
pH-dependent, voltage insensitive, outwardly rectifying potassium channel. Outward rectification is lost at high external K(+) concentrations.

Subcellular Location:
Membrane.

Tissue Specificity:
Abundant expression in kidney, also detected in liver, placenta and small intestine. In the kidney, expression is restricted to the distal tubules and collecting ducts. Not expressed in proximal tubules or glomeruli.

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

Database links:

Entrez Gene: 8645 Human

Entrez Gene: 16529 Mouse

Omim: 603493 Human

SwissProt: O95279 Human

SwissProt: Q9JK62 Mouse

Unigene: 444448 Human

Unigene: 68998 Mouse

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