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[Marker Primary Antibody]

Rabbit Anti-KCNK5/Biotin Conjugated antibody

Catalog Number: SL16904R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-KCNK5/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human KCNK5
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:50-200 IF=1:100-500 ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Chicken,Cow,Horse,Sheep)
Background:	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

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	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.