

Product Datasheet

KCNJ1 Antibody - BSA Free

NBP1-82874

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-82874

KCNJ1 Antibody - BSA Free

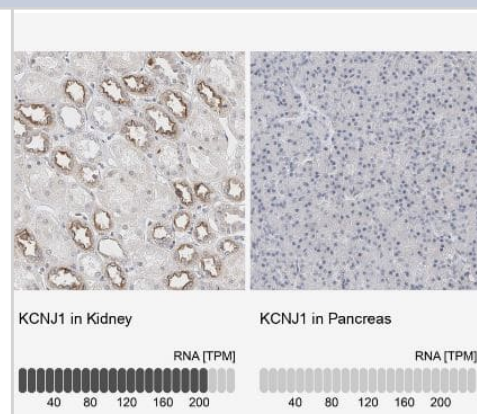
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	45 kDa

Product Description	
Host	Rabbit
Gene ID	3758
Gene Symbol	KCNJ1
Species	Human, Mouse, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 29767556). Mouse reactivity reported in scientific literature (PMID: 33779313).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: STSATCQVRTSYVPEEVLWGYRFAPIVSKTKEGKYRVDFHNFSKTVEVETPHC AMCLYNEKDVRARMKRGYDNPINFILSEVNETD

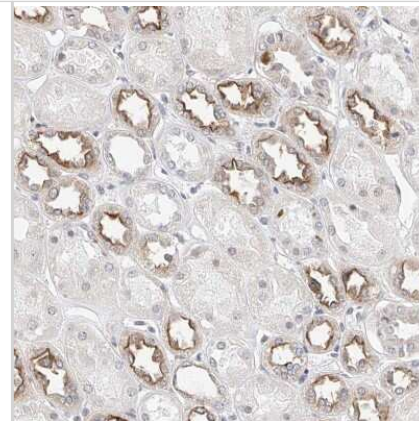
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID:33779313), Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

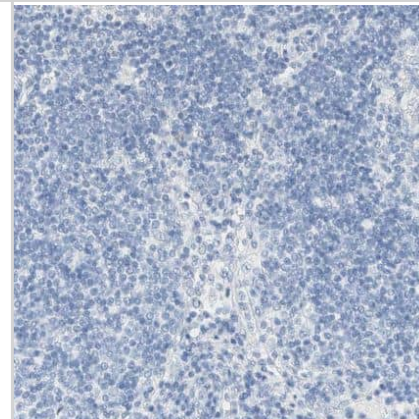
Immunohistochemistry-Paraffin: KCNJ1 Antibody [NBP1-82874] - Analysis in human kidney and pancreas tissues using NBP1-82874 antibody. Corresponding KCNJ1 RNA-seq data are presented for the same tissues.



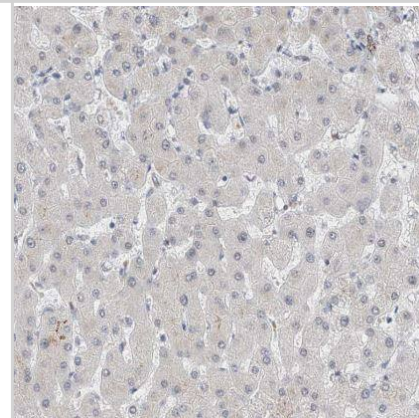
Immunohistochemistry-Paraffin: KCNJ1 Antibody [NBP1-82874] - Staining of human kidney shows high expression.



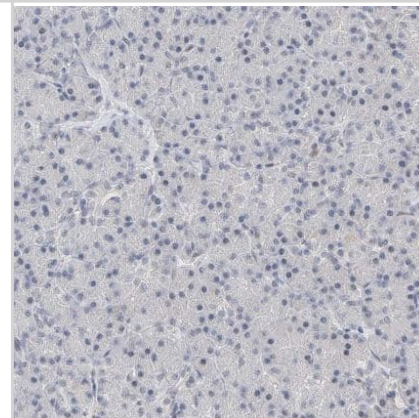
Immunohistochemistry-Paraffin: KCNJ1 Antibody [NBP1-82874] - Staining of human lymph node shows no positivity in non-germinal center cells as expected.



Immunohistochemistry-Paraffin: KCNJ1 Antibody [NBP1-82874] - Staining of human liver shows no positivity in hepatocytes as expected.



Immunohistochemistry-Paraffin: KCNJ1 Antibody [NBP1-82874] - Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



Publications

Edwards A, Ralph DL, Mercado A, McDonough AA Angiotensin II hypertension along the female rat tubule: predicted impact on coupled transport of Na⁺ and K American journal of physiology. Renal physiology 2023-10-12 [PMID: 37823196]

Kortenoeven MLA, Cheng L, Wu Q, Fenton RA An in vivo protein landscape of the mouse DCT during high dietary K⁺ or low dietary Na⁺ intake American journal of physiology. Renal physiology 2021-05-01 [PMID: 33779313] (ICC/IF, Mouse)

Zachar R, Al-Mashhadi A, Dimke H et al. Hydronephrosis is associated with elevated plasmin in urine in pediatric patients and rats and changes in NCC and g-ENaC abundance in rat kidney Am. J. Physiol. Renal Physiol. 2018-05-16 [PMID: 29767556] (IF/IHC, Rat)

Vidal-Petiot E, Elvira-Matelot E, Mutig K et al. WNK1-related Familial Hyperkalemic Hypertension results from an increased expression of L-WNK1 specifically in the distal nephron. Proc Natl Acad Sci U S A 2013-08-27 [PMID: 23940364]





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Products Related to NBP1-82874

NBP1-82874PEP	KCNJ1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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