Product Datasheet

SGLT2/SLC5A2 Antibody - BSA Free
NBP1-92384

Unit Size: 0.1 ml

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

Reviews: 2 Publications: 13

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
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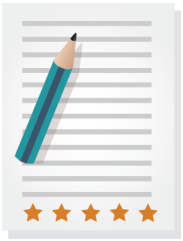
Updated 2/21/2025 v.20.1



NBP1-92384

SGLT2/SLC5A2 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	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

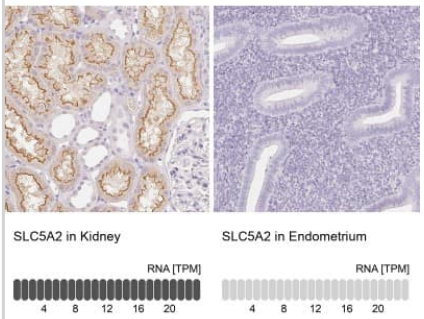
Host	Rabbit
Gene ID	6524
Gene Symbol	SLC5A2
Species	Human, Mouse, Canine, Tenrec
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:33712686). Canine reactivity reported from a verified customer review. Tenrec reactivity reported from a verified customer review.
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: FHEVGGYSGLFDKYLGAATSLTVSEDPAVGNISSFCYRPRPDSYHLL

Product Application Details

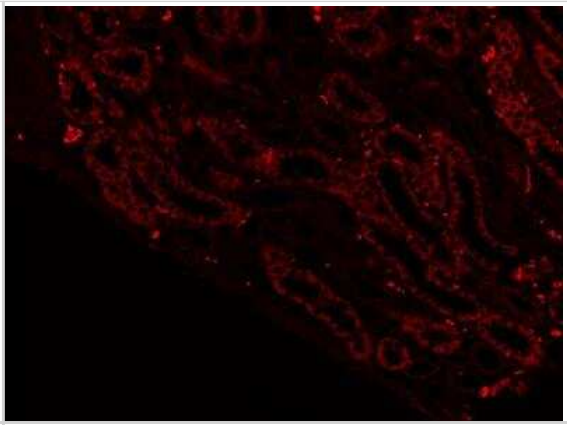
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot Reactivity reported in scientific literature (PMID: 25894829)., Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence Reactivity reported in scientific literature (PMID: 25894829)., Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

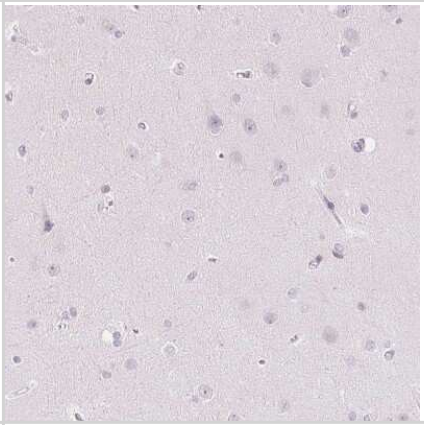
Immunohistochemistry-Paraffin: SGLT2/SLC5A2 Antibody [NBP1-92384] - Analysis in human kidney and endometrium tissues. Corresponding SLC5A2 RNA-seq data are presented for the same tissues.



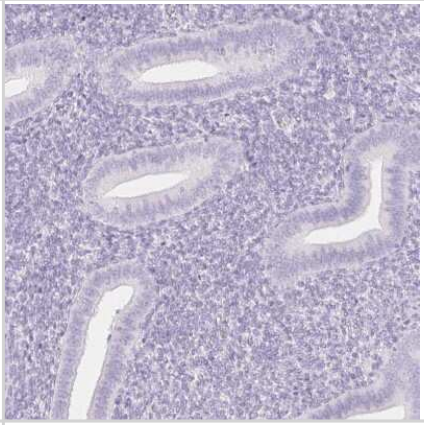
Immunohistochemistry-Paraffin: SGLT2/SLC5A2 Antibody [NBP1-92384] - SGLT2/SLC5A2 used at 1:50 on a tenrec kidney. SGLT2/SLC5A2 antibody was used on paraffin-embedded kidney tissue at a concentration of 20ug/mL and left at 4C overnight. HIER was performed in Citrate buffer (pH6) for two hours at 75C. Image from verified customer review.



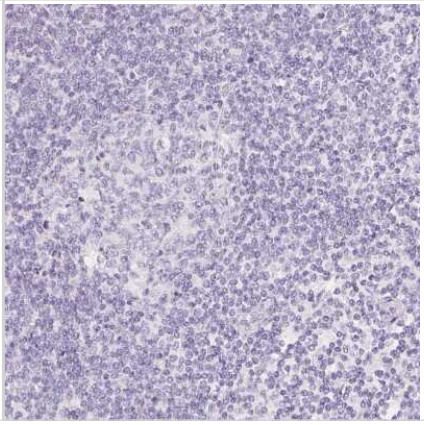
Immunohistochemistry-Paraffin: SGLT2/SLC5A2 Antibody [NBP1-92384] - Staining of human cerebral cortex shows no positivity in neurons as expected.



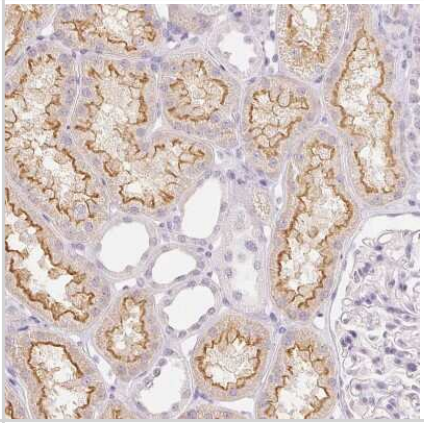
Immunohistochemistry-Paraffin: SGLT2/SLC5A2 Antibody [NBP1-92384] - Staining of human endometrium shows no positivity in glandular cells as expected.



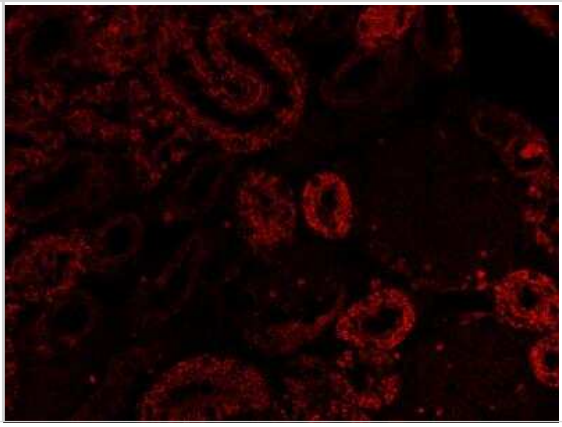
Immunohistochemistry-Paraffin: SGLT2/SLC5A2 Antibody [NBP1-92384] - Staining of human lymph node shows no positivity in non-germinal center cells as expected.



Immunohistochemistry-Paraffin: SGLT2/SLC5A2 Antibody [NBP1-92384] - Staining of human kidney shows moderate positivity in apical membrane in cells in tubules.



Immunohistochemistry-Paraffin: SGLT2/SLC5A2 Antibody [NBP1-92384] - Analysis of SGLT2/SLC5A2 antibody on Canine kidney tissue. HIER was done in pH 6 (Citrate Buffer) for two hours at 75C, and primary antibody was put on at 1:100 overnight at 4C. Image was taken at 40X. Image from verified customer review.



Publications

Suh HN, Lee JY, Kang HJ et Al. A Comparison Between GalT(-/-);hCD39;hCD55 and GalT (-/-);hCD39;hCD46;hCD55;TBM Pig Kidneys Transplanted in Nonhuman Primates Cell Transplant 2024-01-16 [PMID: 38229498]

Shim B, Stokum JA, Moyer M et al. Canagliflozin, an Inhibitor of the Na(+)-Coupled D-Glucose Cotransporter, SGLT2, Inhibits Astrocyte Swelling and Brain Swelling in Cerebral Ischemia Cells 2023-09-06 [PMID: 37759444]

Schwertheim S, Alhardan M, Manka PP et al. Higher pNRF2, SOCS3, IRF3, and RIG1 Tissue Protein Expression in NASH Patients versus NAFL Patients: pNRF2 Expression Is Concomitantly Associated with Elevated Fasting Glucose Levels Journal of Personalized Medicine 2023-07-18 [PMID: 37511764] (Immunohistochemistry)

Berghaus C, Groh AC, Breljak D et al. Impact of Pals1 on Expression and Localization of Transporters Belonging to the Solute Carrier Family Frontiers in Molecular Biosciences 2022-02-16 [PMID: 35252349]

Yu H, Wang M, Yu J et al. Evaluation of the efficacy of Abelmoschus manihot (L.) on diabetic nephropathy by analyzing biomarkers in the glomeruli and proximal and distal convoluted tubules of the kidneys Frontiers in Pharmacology 2023-08-01 [PMID: 37587982] (Immunohistochemistry)

Herat LY, Matthews JR, Hibbs M et al. SGLT1/2 inhibition improves glycemic control and multi-organ protection in type 1 diabetes iScience 2023-08-18 [PMID: 37520739] (Immunohistochemistry)

Du J, Gu J, Deng J et al. The expression and survival significance of sodium glucose transporters in pancreatic cancer BMC cancer 2022-01-28 [PMID: 35090421] (IHC-P, Human)

Dai C, Walker J. T, et al. Dapagliflozin Does Not Directly Affect Human alpha or beta Cells. Endocrinology 2020-08-01 [PMID: 32428240] (IF/IHC, Mouse)

Chiba Y, Murakami R, Matsumoto K et al. Glucose, Fructose, and Urate Transporters in the Choroid Plexus Epithelium International Journal of Molecular Sciences 2020-09-30 [PMID: 33008107] (IF/IHC, Human)

Chiba Y, Sugiyama Y, Nishi N et al. Sodium/glucose cotransporter 2 is expressed in choroid plexus epithelial cells and ependymal cells in human and mouse brains Neuropathology 2020-10-01 [PMID: 32488949] (IHC-P, Human)

Mitsuhata Y, Abe T, Misaki K et al. Cyst formation in proximal renal tubules caused by dysfunction of the microtubule minus-end regulator CAMSAP3 Scientific reports 2021-03-12 [PMID: 33712686] (Mouse)

Scafoglio CR, Villegas B, Abdelhady G et al. Sodium-glucose transporter 2 is a diagnostic and therapeutic target for early-stage lung adenocarcinoma. Sci Transl Med. 2018-11-14 [PMID: 30429355] (IHC-P, Human)

More publications at http://www.novusbio.com/NBP1-92384

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NBP2-24891	Rabbit IgG Isotype Control

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