

# Product Datasheet

## SGLT1/SLC5A1 Antibody - Azide Free NBP2-20338

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-20338****SGLT1/SLC5A1 Antibody - Azide Free****Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 20% Glycerol, 1% BSA
<b>Target Molecular Weight</b>	73 kDa

**Product Description**

<b>Host</b>	Rabbit
<b>Gene ID</b>	6523
<b>Gene Symbol</b>	SLC5A1
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Zebrafish (80%), Cat (89%), Pig (88%), Chicken (82%), Bovine (89%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human SGLT1/SLC5A1. The exact sequence is proprietary.

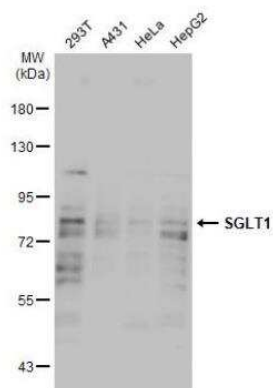
**Product Application Details**

<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen Assay dependent

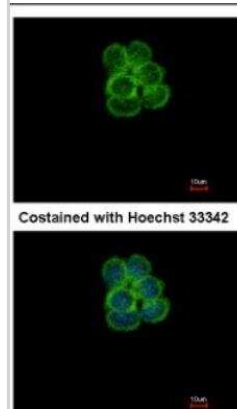


## Images

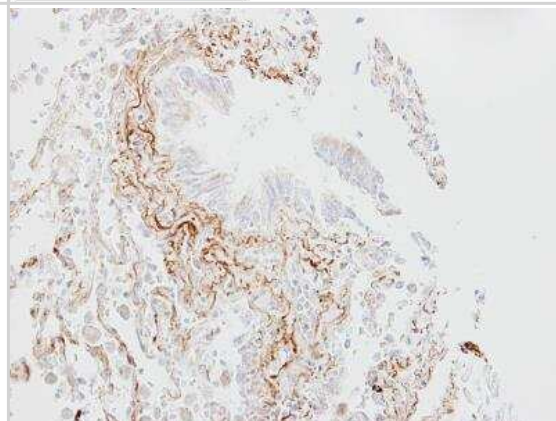
**Western Blot: SGLT1/SLC5A1 Antibody [NBP2-20338]** - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with SGLT1 antibody [N3C3] diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



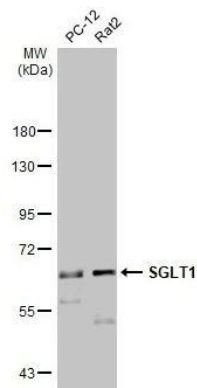
**Immunocytochemistry/Immunofluorescence: SGLT1/SLC5A1 Antibody [NBP2-20338]** - Analysis of methanol-fixed A431, using SGLT1 antibody at 1:500 dilution.



**Immunohistochemistry-Paraffin: SGLT1/SLC5A1 Antibody [NBP2-20338]** - Human lung fibrose tissue, using SGLT1 antibody at 1:100 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



**Western Blot: SGLT1/SLC5A1 Antibody [NBP2-20338]** -Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with SGLT1 antibody [N3C3] diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



## Publications

Chen S, Overberg K, Ghouse Z et Al. Empagliflozin mitigates cardiac hypertrophy through cardiac RSK/NHE-1 inhibition Biomed Pharmacother 2024-03-23 [PMID: 38522235]

Yang G, Xiang J, Yang X et al. Nuclear translocation of SIRT4 mediates deacetylation of U2AF2 to modulate renal fibrosis through alternative splicing-mediated upregulation of CCN2 eLife 2024-11-04 [PMID: 39495216]

Yang S, Yang G, Wang X et al. SIRT2 alleviated renal fibrosis by deacetylating SMAD2 and SMAD3 in renal tubular epithelial cells Cell death & disease 2023-09-30 [PMID: 37777567] (IF/ICC, Human)

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] (ELISA, Immunohistochemistry, Block/Neutralize)

Yang G, Wang X, Xiang J et al. SIRT2 Alleviated Renal Fibrosis by Deacetylating Conserved Lysine 451 on SMAD2 in Renal Tubular Epithelial Cells SSRN Electronic Journal 2022-07-28

He P, Haque A, Lin S et al. Inhibition of autotaxin alleviates inflammation and increases the expression of sodium-dependent glucose cotransporter 1 and Na<sup>+</sup>/H<sup>+</sup> exchanger 3 in SAMP1/Fc mice Am. J. Physiol. Gastrointest. 2018-08-17 [PMID: 30118349] (WB, Mouse)





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### **Products Related to NBP2-20338**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-38748PEP	SGLT1/SLC5A1 Recombinant Protein Antigen

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### **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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