

# Product Datasheet

## SLC23A1 Antibody - BSA Free

### NBP2-13318

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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**NBP2-13318**

SLC23A1 Antibody - BSA 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>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                           |
| <b>Clonality</b>     | Polyclonal                                                                                                       |
| <b>Preservative</b>  | 0.02% Sodium Azide                                                                                               |
| <b>Isotype</b>       | IgG                                                                                                              |
| <b>Purity</b>        | Immunogen affinity purified                                                                                      |
| <b>Buffer</b>        | PBS (pH 7.2) and 40% Glycerol                                                                                    |

**Product Description**

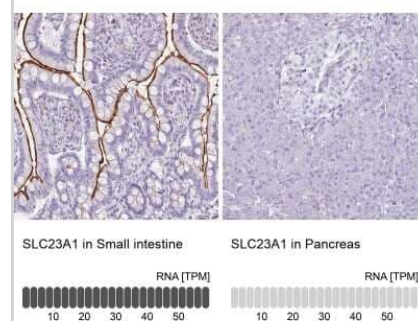
|                    |                                                                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>        | Rabbit                                                                                                                                                                               |
| <b>Gene ID</b>     | 9963                                                                                                                                                                                 |
| <b>Gene Symbol</b> | SLC23A1                                                                                                                                                                              |
| <b>Species</b>     | Human                                                                                                                                                                                |
| <b>Immunogen</b>   | This antibody was developed against a recombinant protein corresponding to the amino acids:<br>NTVPGSPEERGLIQWKAGAHANSDMSSSLKSYDFPIGMGIVKRITFLKYIPICPV<br>FKGFSSSSKDQIAIPEDTPENTETAS |

**Product Application Details**

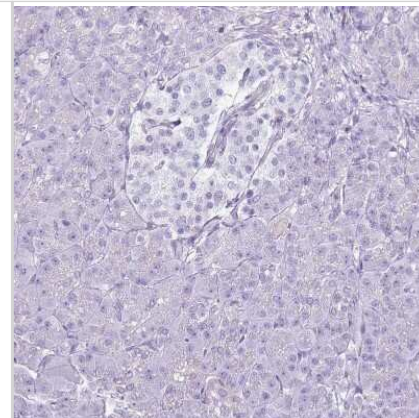
|                              |                                                                                                                  |
|------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin                                                |
| <b>Recommended Dilutions</b> | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000   |
| <b>Application Notes</b>     | For IHC-Paraffin, HIER pH 6 retrieval is recommended. WB reported in the scientific literature (PMID: 30285481). |

**Images**

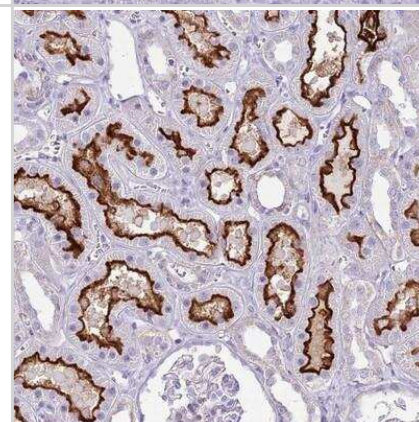
Immunohistochemistry-Paraffin: SLC23A1 Antibody [NBP2-13318] - Analysis in human small intestine and pancreas tissues. Corresponding SLC23A1 RNA-seq data are presented for the same tissues.



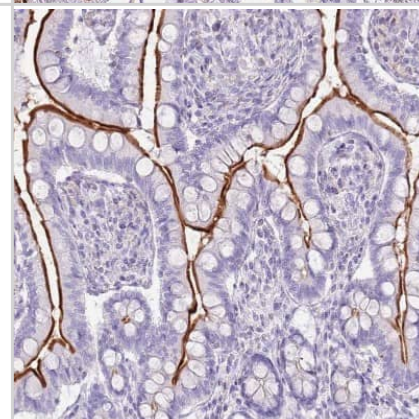
Immunohistochemistry-Paraffin: SLC23A1 Antibody [NBP2-13318] - Staining of human pancreas shows no positivity as expected.



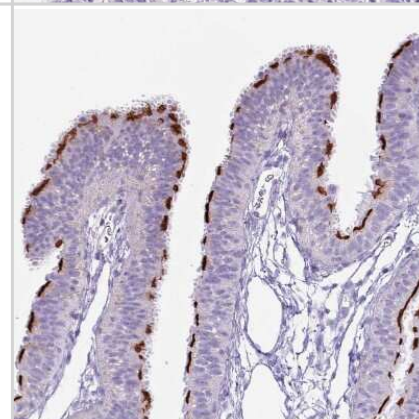
Immunohistochemistry-Paraffin: SLC23A1 Antibody [NBP2-13318] - Staining of human kidney shows strong membranous positivity in cells in tubules.



Immunohistochemistry-Paraffin: SLC23A1 Antibody [NBP2-13318] - Staining of human small intestine shows strong positivity in luminal membrane in glandular cells.



Immunohistochemistry-Paraffin: SLC23A1 Antibody [NBP2-13318] - Staining of human fallopian tube shows moderate to strong positivity in apical membrane of ciliated cells.



## Publications

Qin S, Wang G, Chen L et al. Pharmacological vitamin C inhibits mTOR signaling and tumor growth by degrading Rictor and inducing HMOX1 expression PLoS genetics 2023-02-01 [PMID: 36787291] (WB, Human)

Romo D, Velmurugan K, Upham BL et al. Expression and Clinicopathological Implications of the Vitamin C Transporters SVCT-1 and SVCT-2 in Colon Cancer Thesis (IHC-P, Human)

Subramenium GA, Subai S, Marchant JS et al. Enterotoxigenic Escherichia coli (ETEC) heat labile enterotoxin inhibits intestinal ascorbic acid uptake via a cAMP-dependent NF-kB mediated pathway. Am. J. Physiol. Gastrointest. Liver Physiol. 2018-10-04 [PMID: 30285481] (WB, Human)





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### **Products Related to NBP2-13318**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP2-13318PEP | SLC23A1 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                          |

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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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