

Product Datasheet

SLC34A1 Antibody - BSA Free

NBP2-13328

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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Publications: 10

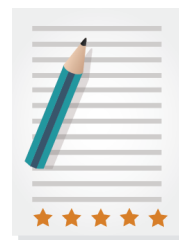
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NBP2-13328

SLC34A1 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

Description	Novus Biologicals Rabbit SLC34A1 Antibody - BSA Free (NBP2-13328) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-SLC34A1 Antibody: Cited in 10 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6569
Gene Symbol	SLC34A1
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 26751835), Rat reactivity reported in scientific literature (PMID: 25790436).
Immunogen	This antibody was developed against a recombinant protein corresponding to the amino acids: PLPVPGGHVMRGTAFAAYVPSPQVLHRIPGTSAYAFPSLGPVALAEHTCPCGEV LERHEPLPAKLALEEEQKPESRLVPKLRQA

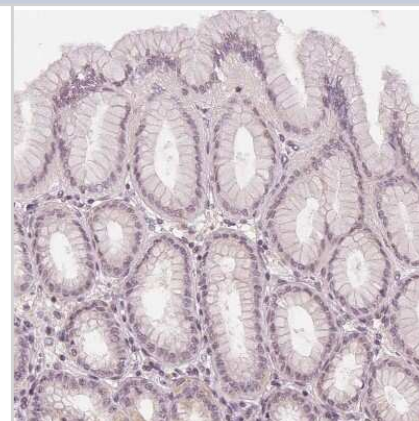
Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot Reported in (PMID: 37746883), Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation/Permeabilization: PFA/Triton X-100

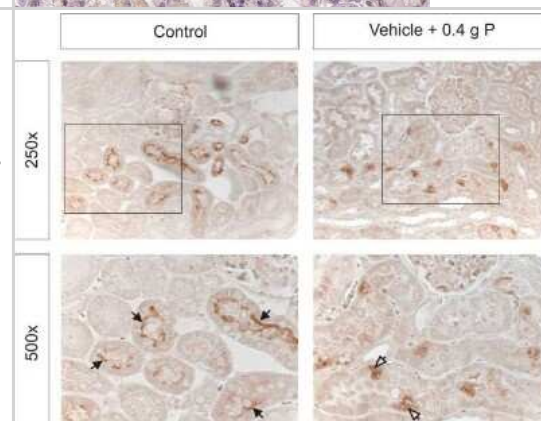


Images

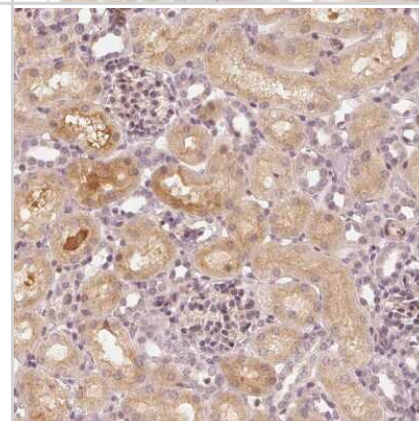
Immunohistochemistry-Paraffin: SLC34A1 Antibody [NBP2-13328] - Staining of human stomach shows no positivity in glandular cells as expected.



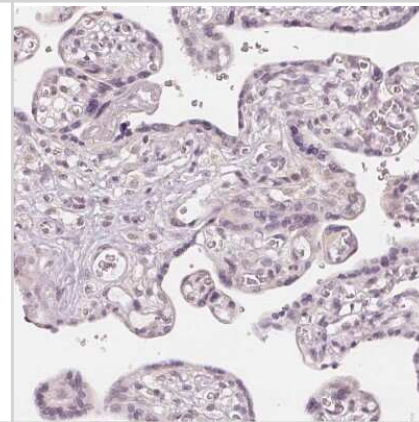
Immunohistochemistry: SLC34A1 Antibody [NBP2-13328] - Immunohistochemical analysis of the apical (closed arrows) and intracellular (open arrows) NaPi-2a (SLC34A1) expression in the kidney. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0116590>) licensed under a CC-BY license.



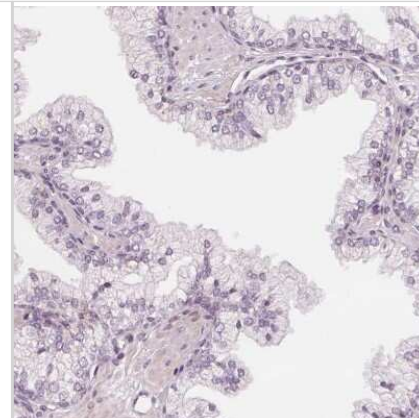
Immunohistochemistry-Paraffin: SLC34A1 Antibody [NBP2-13328] - Staining of human kidney shows moderate cytoplasmic and luminal membranous positivity in cells in tubules.



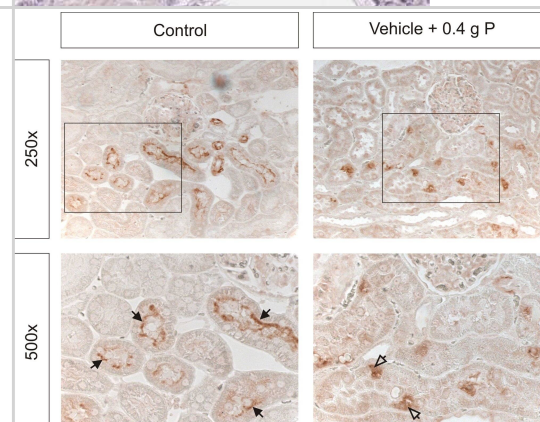
Immunohistochemistry-Paraffin: SLC34A1 Antibody [NBP2-13328] - Staining of human placenta shows no positivity in trophoblastic cells as expected.



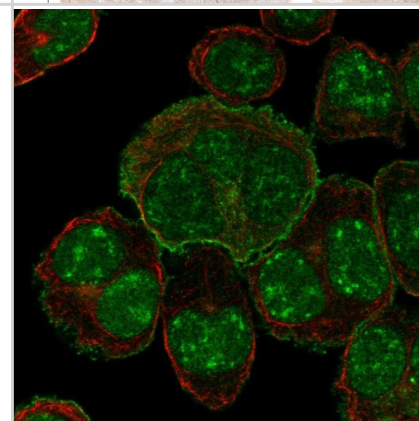
Immunohistochemistry-Paraffin: SLC34A1 Antibody [NBP2-13328] - Staining of human prostate shows no positivity in glandular cells as expected.



Immunohistochemical analysis of the apical (closed arrows) and intracellular (open arrows) NaPi-2a expression in the kidney.



Staining of human cell line HEL shows localization to nuclear speckles, plasma membrane & mitotic spindle.



Publications

- Feger M, Alber J, Strotmann J et al. Short-term fasting of mice elevates circulating fibroblast growth factor 23 (FGF23) *Acta physiologica (Oxford, England)* 2023-09-25 [PMID: 37746883] (WB, Rat)
- Huang B, Zeng Z, Li H et al. Modeling kidney development, disease, and plasticity with clonal expandable nephron progenitor cells and nephron organoids *bioRxiv* 2023-05-26 [PMID: 37293038] (Immunocytochemistry/Immunofluorescence, Human)
- Shin S, Boadi EA, Bandyopadhyay BC Ablation of TRPC3 compromises bicarbonate and phosphate transporter activity in mice proximal tubular cells *Clinical and experimental pharmacology & physiology* 2022-11-26 [PMID: 36433745]
- Balzer MS, Doke T, Yang YW et al. Single-cell analysis highlights differences in druggable pathways underlying adaptive or fibrotic kidney regeneration *Nature communications* 2022-07-11 [PMID: 35821371] (IHC-P, Mouse)
- Maruyama H, Taguchi A et al. Low bone mineral density due to secondary hyperparathyroidism in the *GlatmTg(CAG-A4GALT)* mouse model of Fabry disease. *FASEB Bioadv* 2020-01-06 [PMID: 32617522] (IF/IHC, WB, Mouse)
- Ter Braake AD, Smit AE, Bos C, et al. Magnesium prevents vascular calcification in *Klotho* deficiency *Kidney Int.* 2019-11-02 [PMID: 31866113] (WB, Mouse)
- Mace ML, Gravesen E, Nordholm A et al. Kidney fibroblast growth factor 23 does not contribute to elevation of its circulating levels in uremia. *Kidney Int.* 2017-03-21 [PMID: 28341272] (WB, Rat)
- Suzuki T, Seki S, Hiramoto K et al. Hyperactivation of Nrf2 in early tubular development induces nephrogenic diabetes insipidus. *Nat Commun.* 2017-02-24 [PMID: 28233855]
- Liu ES, Martins JS, Raimann A et al. 1,25-Dihydroxyvitamin D Alone Improves Skeletal Growth, Microarchitecture and Strength in a Murine Model of XLH, Despite Enhanced FGF23 Expression. *J. Bone Miner. Res.* 2016-01-11 [PMID: 26751835] (IHC-P, Mouse)
- Robijn S, Vervaet BA, D'Haese PC, Verhulst A. Evaluation of intestinal phosphate binding to improve the safety profile of oral sodium phosphate bowel cleansing. *PLoS ONE.* 2015-03-20 [PMID: 25790436] (IHC-P, Rat)





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Products Related to NBP2-13328

NBP2-13328PEP	SLC34A1 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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