

Product Datasheet

SLC4A11 Antibody NBP1-46156

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Reviews: 1 Publications: 2

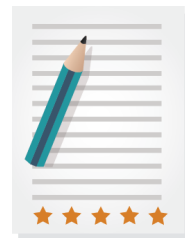
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NBP1-46156**SLC4A11 Antibody****Product Information**

Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description

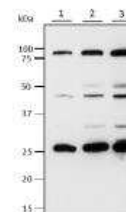
Description	Novus Biologicals Goat SLC4A11 Antibody (NBP1-46156) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-SLC4A11 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	83959
Gene Symbol	SLC4A11
Species	Human
Reactivity Notes	Porcine reactivity reported from a verified customer review.
Immunogen	This SLC4A11 Antibody was developed against a peptide with sequence C-HTSRKYLKLKNFKEE corresponding to internal region according to NP_114423.1.

Product Application Details

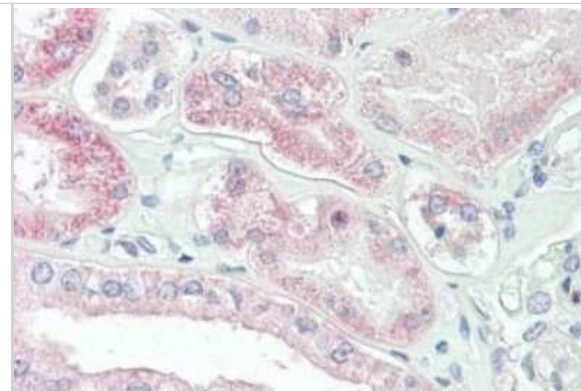
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.3 - 1 ug/mL, Immunohistochemistry, Immunohistochemistry-Paraffin 3.75 ug/mL, Peptide ELISA Detection limit 1:32000

Images

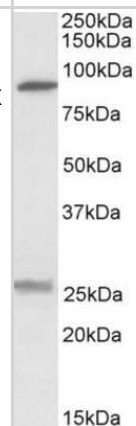
Western Blot: SLC4A11 Antibody [NBP1-46156] - Porcine kidney tissue lysates. Lane 1 - 15 ug. Lane 2 - 30 ug. Lane 3 - 60 ug. Antibody at 1:500. Secondary antibody at 1:1000. Western blot image submitted by a verified customer review.



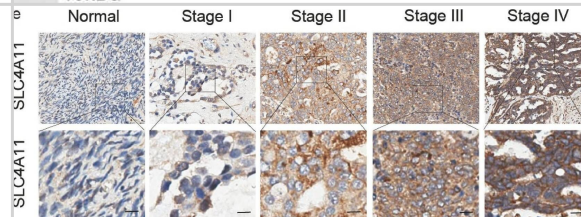
Immunohistochemistry-Paraffin: SLC4A11 Antibody [NBP1-46156] - Staining of paraffin embedded Human Kidney. Antibody at 3.75 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blot: SLC4A11 Antibody [NBP1-46156] - Staining of Human Kidney lysate (35 ug protein in RIPA buffer). Antibody at 0.3 ug/mL. Primary incubation was 1 hour. Detected by chemiluminescence. Approx 90 kDa band observed in Human Kidney lysates (calculated MW of 99.6 kDa according to NP_114423.1). An additional band of unknown identity was also consistently observed at 26 kDa. This band was successfully blocked by incubation with the immunizing peptide.



SLC4A11 is linked to ovarian cancer. (a) Fifty-two genes whose expression was elevated in ovarian cancer tissue compared with healthy tissue are displayed in a Venn diagram. Data were obtained from the GSE40505, GSE18520, GSE66057, TCGA and GTEx datasets. (b) SLC4A11 mRNA expression levels in 88 nontumor tissues and 426 OV tissues from the GEPIA database. (c) SLC4A11 expression is used to predict the overall prognosis of ovarian cancer patients. Data obtained from GEPIA. (d) The degree of SLC4A11 expression in the GEO database (GSE40595, 63 OV, and 14 nontumor tissue samples; GSE18520, 53 OV and 10 nontumor tissue samples; GSE66957, 57 OV and 13 nontumor tissue samples). Chi-square test: * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$. (e) SLC4A11 expression in OV tissue microarrays at various disease stages and in normal tissues. Scale bar: 50 μ M. (f) The number of samples expressing SLC4A11 in OV samples ($n = 117$) and normal tissue samples ($n = 16$) was determined by blinded IHC. Scoring is based on staining intensity: negative (no positive colouration): 0 points; weak positive (light yellow): 1 point; positive (brownish yellow): 2 points; and strong positive (tan): 3 points. A score greater than 1 is considered high. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/40721447/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Peng Q, Sun Y, Wang R et al. Elevated SLC4A11 expression promotes OV progression via interaction with EGFR. Scientific Reports 2025-07-28 [PMID: 40721447]

Hemadevi B, Veitia RA, Srinivasan M et al. Identification of mutations in the SLC4A11 gene in patients with recessive congenital hereditary endothelial dystrophy. Arch Ophthalmol 2008-05-01 [PMID: 18474783]



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Products Related to NBP1-46156

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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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