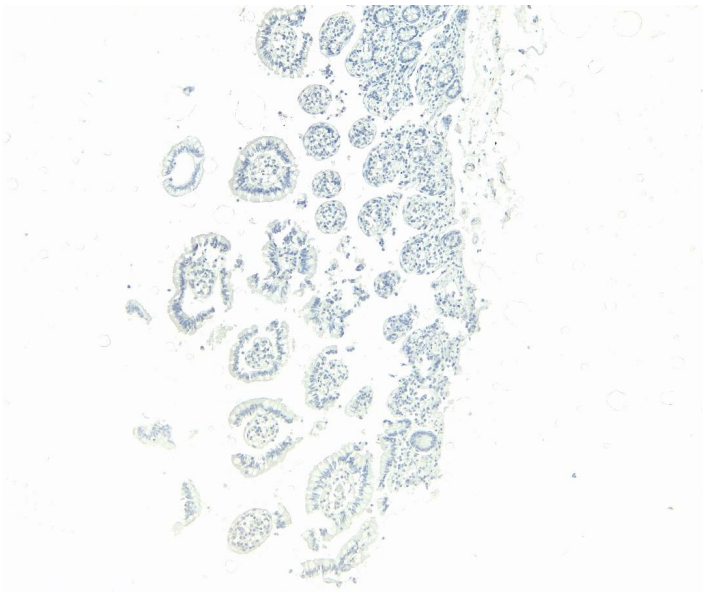
www.everestbiotech.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

GOAT ANTI-SGLT1 ANTIBODY

SKU: EB09310



SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	solute carrier family 5 (sodium/glucose transporter), member 1|sodium/glucose cotransporter 1|Human Na+/glucose cotransporter 1 mRNA, complete cds|SGLT1|NAGT|D22S675|solute carrier family 5 (sodium/glucose cotransporter), member 1|SLC5A1
Accession ID	NP_000334.1; NP_001243243.1
Blocking Peptide	EBP09310
Immunogen	Peptide with sequence C-KETIEIETQVPEKKK, from the internal region of the protein sequence according to NP_000334.1; NP_001243243.1.
Product Comments	This antibody is expected to recognize isoforms 1 ((NP_000334.1) and isoform 2 (NP_001243243.1).
Peptide Sequence	C-KETIEIETQVPEKKK

Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human
Reactive Species	Human
Human Gene ID	6523
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
IHC Results	Paraffin embedded Human Small Intestine. Recommended concentration: 5µg/ml.
ELISA Detection Limit	Antibody detection limit dilution 1:32000.
Western Blot	Preliminary testing showed a band at approx. 60kDa in Human Gall Bladder lysate and in Jurkat cell lysate after 1-3µg/ml antibody staining (calculated MW of 60.1kDa according to NP_001243243.1). Primary incubation 1 hour at room temperature.
Application Type	Pep-ELISA, IHC

SELECTED REFERENCES

[{"pmid": 34198013, "intro": "**This antibody (previous batch) has been successfully used in Western blot and IHC on Mouse:**", "title": "Aberrant Epithelial Differentiation Contributes to Pathogenesis in a Murine Model of Congenital Tufting Enteropathy.", "author": "Barun Das, Kevin Okamoto, John Rabalais, Jocelyn A. Young, Kim E. Barrett, and Mamata Sivagnanam", "journal": "Cell Mol Gastroenterol Hepatol. 2021; 12(4): 1353-1371."}, {"pmid": 28174043, "intro": "**This antibody (previous batch) has been successfully used in Western blot on Mouse:**", "title": "Sodium influx through cerebral sodium-glucose transporter type 1 exacerbates the development of cerebral ischemic neuronal damage. ", "author": "Yamazaki Y, Harada S, Wada T, Hagiwara T, Yoshida S, Tokuyama S", "journal": "Eur J Pharmacol. 2017 Mar 15;799:103-110."}, {"pmid": 30503674, "intro": "**This antibody (previous batch) has been successfully used in Western blot on Mouse:**", "title": "Activation of c-Jun N-terminal kinase and p38 after cerebral ischemia upregulates cerebral sodium-glucose transporter type 1", "author": "Yui Yamazaki, Kyoko Arita, Shinichi Harada, Shogo Tokuyama", "journal": "Journal of Pharmacological Sciences (November 2018)"}]

DOCUMENTS

- Data Sheet

www.everestbiotech.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

GALLERY IMAGES