

For Research Use Only

SLC52A2 Polyclonal antibody

Catalog Number: 30396-1-AP



Basic Information

Catalog Number: 30396-1-AP	GenBank Accession Number: BC002917	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 520 ug/ml by Nanodrop;	GeneID (NCBI): 79581	Recommended Dilutions: IHC: 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9HAB3	
IsoType: IgG	Full Name: Solute carrier family 52, riboflavin transporter, member 2	
Immunogen Catalog Number: AG33252	Calculated MW: 46 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human small intestine tissue,
Species Specificity: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

SLC52A2 (Also known as RFT2, RFT3) is a membrane protein that belongs to the riboflavin transporter family. SLC52A2 is a transmembrane protein that mediates cellular uptake of riboflavin. Humans are unable to synthesize vitamin B2/riboflavin and must obtain it via intestinal absorption (PubMed:20463145). Mutations in SLC52A2 have been associated with Brown-Vialetto-Van Laere syndrome 2 (BVVLS2) - an autosomal recessive progressive neurologic disorder characterized by deafness, bulbar dysfunction, and axial and limb hypotonia (PMID: 22864630, 23243084).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

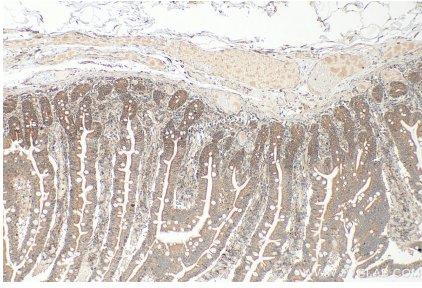
For technical support and original validation data for this product please contact:

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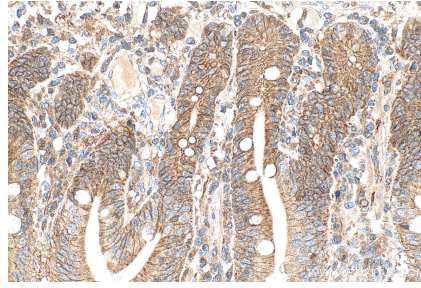
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 30396-1-AP (SLC52A2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 30396-1-AP (SLC52A2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).