

For Research Use Only

# SLC52A2 Polyclonal antibody

Catalog Number: 30396-1-AP



## Basic Information

<b>Catalog Number:</b> 30396-1-AP	<b>GenBank Accession Number:</b> BC002917	<b>Purification Method:</b> Antigen affinity purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 79581	<b>Recommended Dilutions:</b> IHC: 1:50-1:500
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q9HAB3	
<b>Immunogen Catalog Number:</b> AG33252	<b>Full Name:</b> Solute carrier family 52, riboflavin transporter, member 2	
	<b>Calculated MW:</b> 46 kDa	

## Applications

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

## 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

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

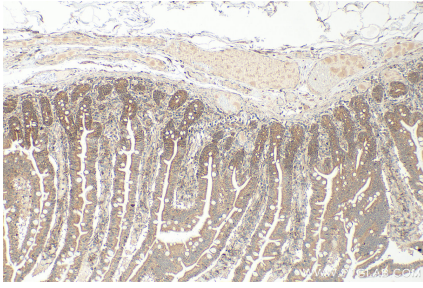
T: 4006900926

E: Proteintech-CN@ptglab.com

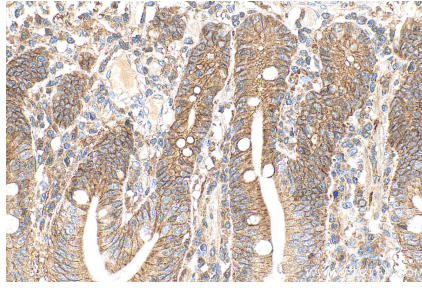
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## Selected Validation Data



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).