

SLC26A3 Polyclonal antibody

Catalog Number: 13165-1-AP

Basic Information

Catalog Number: 13165-1-AP	GenBank Accession Number: BC025671	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop;	GeneID (NCBI): 1811	Recommended Dilutions: IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: P40879	
Isotype: IgG	Full Name: solute carrier family 26, member 3	
Immunogen Catalog Number: AG3816	Calculated MW: 764 aa, 85 kDa	
	Observed MW: 84 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse testis tissue, human colon tissue, human colon cancer tissue
Species Specificity: human, mouse	

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

SLC26A3 (Chloride anion exchanger), also known as DRA. It is expected to be located in the cytoplasm and cell membranes. It is a transmembrane glycoprotein, which is mainly located in the lower digestive tract mucosa, especially in the apical membrane of columnar epithelium and some goblet cells. The expression level of SLC26A3 in intestine is different along different parts of intestine, and there are also differences on crypt-villus axis. It is mainly expressed in the apical membrane of colon epithelial cells, less in jejunum and ileum, but not in esophagus. It participates in the absorption of electrically neutral NaCl in intestine and works with Na⁺/H⁺ exchanger. Cl⁻/HCO₃⁻ exchange mediated by SLC26A3 is very important for maintaining intestinal acid-base balance. In duodenum, the physiological function of SLC26A3 is related to HCO₃⁻ secretion, which plays a central role in neutralizing gastric acid (PMID: 32989468). The molecular weight of SLC26A3 is 84 kDa.

Storage

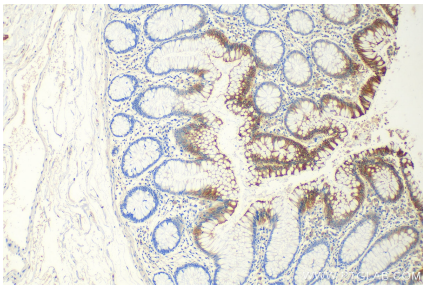
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

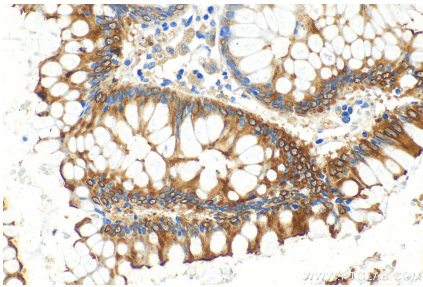
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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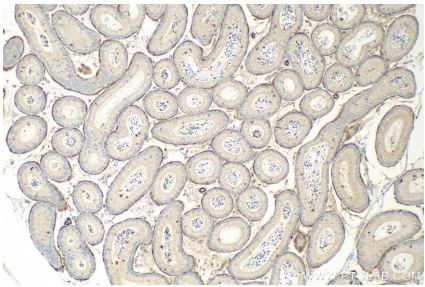
Selected Validation Data



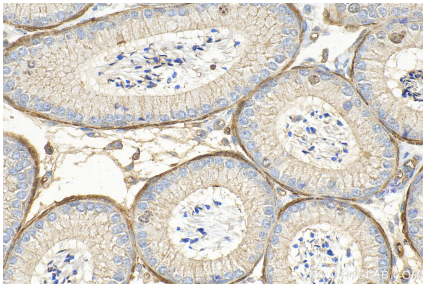
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 13165-1-AP (SLC26A3 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 13165-1-AP (SLC26A3 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 13165-1-AP (SLC26A3 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 13165-1-AP (SLC26A3 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded colon cancer slide using 13165-1-AP (SLC26A3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).