For Research Use Only

SLC26A3 Polyclonal antibody, PBS Only

Catalog Number:13165-1-PBS

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Basic Information

Catalog Number:
13165-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3816

GenBank Accession Number:
BC025671

GeneID (NCBI):
1811

UNIPROT ID:
P40879

Full Name:
solute carrier family 26, member 3

Calculated MW:
764 aa, 85 kDa

Observed MW:
84 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
IHC, Indirect ELISA

Species Specificity:
human, mouse

Background Information

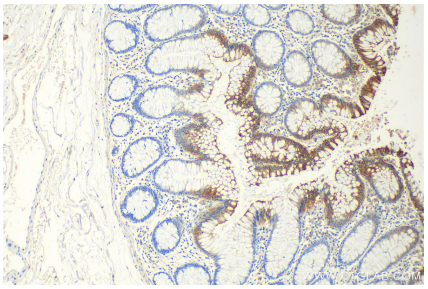
SLC26A3 (Chloride anion exchanger), also known as DRA. It is expected to be located in the cytoplasm and cell membranes. It is a transmembrane glycoprotein, which is mainly located in the lower digestive tract mucosa, especially in the apical membrane of columnar epithelium and some goblet cells. The 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

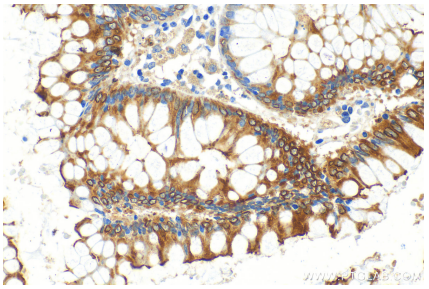
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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

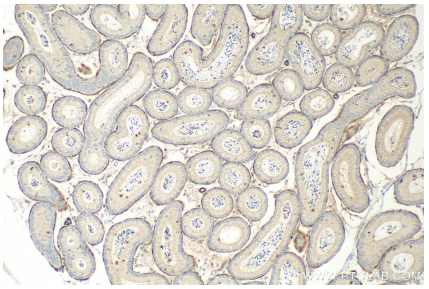
Selected Validation Data



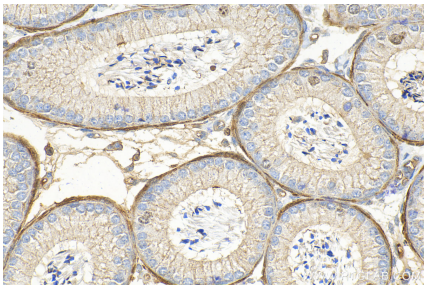
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 13165-1-AP (SLC26A3 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13165-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 13165-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 13165-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 13165-1-PBS in a different storage buffer formulation.

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). This data was developed using the same antibody clone with 13165-1-PBS in a different storage buffer formulation.