

OSTbeta / SLC51B Polyclonal antibody

Catalog Number: 21248-1-AP

Basic Information

Catalog Number:

21248-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop and 487 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15751

GenBank Accession Number:

BC103842

GeneID (NCBI):

123264

UNIPROT ID:

Q86UW2

Full Name:

organic solute transporter beta

Calculated MW:

128 aa, 14 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

Applications

Tested Applications:

IHC, ELISA

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

Positive Controls:

IHC : human small intestine tissue,

Background Information

Organic solute transporter alpha-beta (Osta-Ostβ) is a heteromeric transporter that has been localized to the basolateral membrane of epithelial cells of the small intestine, kidney and liver, and appears to be essential for bile acid homeostasis. The transporter is composed of a predicted 340-amino acid, 7-transmembrane domain protein (Osta) and a putative 128-amino acid, single-transmembrane domain polypeptide (Ostβ). Osta-Ostβ transports bile acids by a facilitated diffusion mechanism; therefore, Osta-Ostβ can mediate cellular efflux or uptake depending on the substrate's electrochemical gradient. It's reported that Osta-Ostβ is not only essential for bile acid, but also vital for sterol disposition and enterohepatic circulation(PMID: 21691099).

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

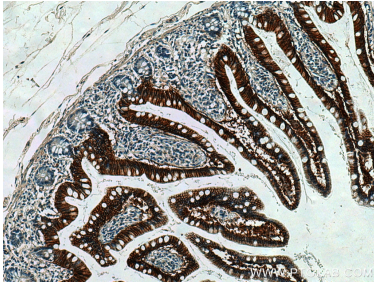
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 21248-1-AP (OSTbeta antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 21248-1-AP (OSTbeta antibody) at dilution of 1:200 (under 40x lens).