

For Research Use Only

OSTbeta / SLC51B Polyclonal antibody



Catalog Number: 21248-1-AP

Basic Information

Catalog Number: 21248-1-AP	GenBank Accession Number: BC103842	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 750 µg/ml by Nanodrop and 487 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 123264	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	Full Name: organic solute transporter beta	
Isotype: IgG	Calculated MW: 128 aa, 14 kDa	
Immunogen Catalog Number: AG15751		

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

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

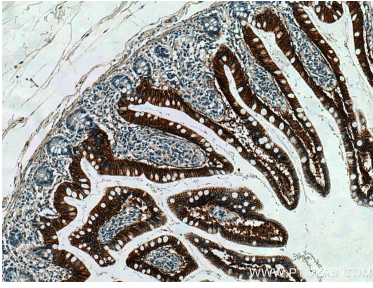
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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