



Rabbit Anti-OSTA antibody

SL17529R

Product Name:	OSTA
Chinese Name:	有机溶质Transporter亚基 α 抗体
Alias:	Organic solute transporter subunit alpha; OST-alpha.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	37kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human OSTA:1-100/340<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	OSTA is an essential component of the Ost-alpha/Ost-beta complex, a heterodimer that acts as the intestinal basolateral transporter responsible for bile acid export from enterocytes into portal blood. It efficiently transports the major species of bile acids. Function: Essential component of the Ost-alpha/Ost-beta complex, a heterodimer that acts as the

intestinal basolateral transporter responsible for bile acid export from enterocytes into portal blood. Efficiently transports the major species of bile acids. {ECO:0000269|PubMed:16317684}.

Subunit:

Interacts with SLC51B. The Ost-alpha/Ost-beta complex is a heterodimer composed of alpha (SLC51A) and beta (SLC51B) subunit (By similarity). {ECO:0000250}.

Subcellular Location:

Cell membrane; Multi-pass membrane protein

Tissue Specificity:

Widely expressed with a high expression in ileum. Expressed in testis, colon, liver, small intestine, kidney, ovary and adrenal gland; and at low levels in heart, lung, brain, pituitary, thyroid gland, uterus, prostate, mammary gland and fat.

{ECO:0000269|PubMed:12719432, ECO:0000269|PubMed:16317684}.

Similarity:

Belongs to the OST-alpha family. {ECO:0000305}.

SWISS:

Q86UW1

Gene ID:

200931

Database links:

[Entrez Gene: 200931](#) Human

[Omim: 612084](#) Human

[SwissProt: Q86UW1](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.