

OSTA Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56735**Specification**

OSTA Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	Q86UW1
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37735

OSTA Polyclonal Antibody - Additional Information**Gene ID** 200931**Other Names**

Organic solute transporter subunit alpha, OST-alpha, Solute carrier family 51 subunit alpha, SLC51A, OSTA

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

OSTA Polyclonal Antibody - Protein Information**Name** SLC51A**Synonyms** OSTA**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 (PubMed:16317684). Efficiently transports the major species of bile acids (taurocholate) (PubMed:16317684). Taurine conjugates are transported more efficiently across the basolateral membrane than glycine-conjugated bile acids (By similarity). Can also transport steroids such as estrone 3-sulfate and dehydroepiandrosterone 3- sulfate, therefore playing a role in the enterohepatic circulation of sterols (PubMed:16317684). Able to transport eicosanoids such as prostaglandin E2 (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein Note=Transported from the endoplasmic reticulum to the plasma membrane upon interacting with SLC51B (By similarity). Mainly restricted to the lateral and basal membranes of ileal enterocytes.

Tissue Location

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

OSTA Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

OSTA Polyclonal Antibody - Images