

## Anti-OST beta Polyclonal Antibody

## Product Details

|                   |                             |
|-------------------|-----------------------------|
| Ig Type:          | IgG                         |
| Reactivity:       | (predicted:Human,Mouse,Rat) |
| Molecular Weight: | Theoretical: 14 kDa.        |
| Purification:     | Protein A purified          |

## Applications

|              |   |
|--------------|---|
| Application: | ELISA,IF,IHC-Fr,IHC-P   |
| Recommended  | IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; ELISA: 1:5000-10000 |

## Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

## Antigen Details

|                  |   |
|------------------|---|
| Immunogen:       | KLH conjugated synthetic peptide: human OST-beta  |
| Antigen Species: | Human   |
| Gene ID:         | 123264  |
| Uniprot ID:      | Q86UW2  |
| Synonyms:        | Ost beta;OSTB;Organic solute transporter subunit beta;Ostbeta;organic solute transporter beta (Ostbeta) |
| Biology Area:    | Channels  |

## Research Background

The heteromeric transporter OST Alpha/OST Beta facilitates the transport of bile and other steroid solutes across the basolateral epithelial cell membrane of intestine, liver, testis, kidney and adrenal gland. OST Alpha/OST Beta expression is induced by bile acids through ligand-dependent transactivation of their genes by FXR (Farnesoid X-activated receptor). This genetic regulation suggests that in response to changes in intracellular bile acid levels, bile acids adjust the rate of their own efflux from enterocytes. OST Beta is a 128 amino acid single-pass transmembrane protein that requires OST Alpha to localize to the plasma membrane. Coexpression of OST Alpha and OST Beta is also required to convert the OST Alpha subunit to a mature glycosylated endoglycosidase H-resistant form, suggesting that co-expression facilitates trafficking of OST Alpha through the golgi apparatus. Though widely expressed, OST Beta is present at highest levels in ileum.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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