

# OSTA Polyclonal antibody

Catalog Number: 31330-1-AP

## Basic Information

**Catalog Number:**

31330-1-AP

**Size:**

400 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG34517

**GenBank Accession Number:**

NM\_152672

**GeneID (NCBI):**

200931

**UNIPROT ID:**

Q86UW1

**Full Name:**

organic solute transporter alpha

**Calculated MW:**

340 aa, 38 kDa

**Observed MW:**

38 kDa

**Purification Method:**

Antigen affinity Purification

**Recommended Dilutions:**

WB 1:1000-1:4000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human, mouse, rat

**Positive Controls:**

WB : mouse small intestine tissue, rat small intestine tissue

## Background Information

SLC51A also known as OSTA, belongs to the OST-alpha family. SLC51A 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 (PubMed:16317684). SLC51A is located in basolateral plasma membrane and transported from the endoplasmic reticulum to the plasma membrane upon interacting with SLC51B. SLC51A is expressed with a high expression in kidney and intestine (PMID: 15563450). Mutations in SLC51A are associated with Cholestasis progressive familial intrahepatic 6 (PMID: 31863603).

## Storage

**Storage:**

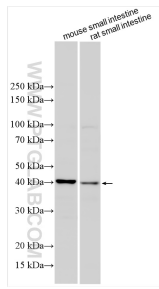
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31330-1-AP (SLC51A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.