

Datasheet for ABIN1386750  
**anti-SLC51B antibody (AA 1-35)**[Go to Product page](#)

## 1 Publication

## Overview

Quantity:	100 µL
Target:	SLC51B (OSTBETA)
Binding Specificity:	AA 1-35
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC51B antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human OST-beta
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat
Purification:	Purified by Protein A.

## Target Details

Target:	SLC51B (OSTBETA)
Alternative Name:	OST-beta ( <a href="#">OSTBETA Products</a> )
Background:	Synonyms: organic solute transporter beta Ostbeta, Organic solute transporter subunit beta,

## Target Details

Ostbeta, Ost beta, OST-beta, OSTB, OSTB\_HUMAN.

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.

Gene ID: 123264

Pathways: [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

## Publications

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Product cited in: Stipanuk, Jurkowska, Niewiadomski, Mazor, Roman, Hirschberger: "Identification of Taurine-Responsive Genes in Murine Liver Using the Cdo1-Null Mouse Model." in: **Advances in experimental medicine and biology**, Vol. 975, pp. 475-495, (2017) ([PubMed](#)).