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Datasheet for ABIN1413964 **anti-SLC51B antibody (Cy5)**

Overview

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| Quantity: | 100 µL |
| Target: | SLC51B (OSTBETA) |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SLC51B antibody is conjugated to Cy5 |
| Application: | Western Blotting (WB) |

Product Details

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| 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

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|-------------------|--|
| Target: | SLC51B (OSTBETA) |
| Alternative Name: | Ost-beta (OSTBETA Products) |
| Background: | Synonyms: organic solute transporter beta Ostbeta, Organic solute transporter subunit beta, Ostbeta, Ost beta, OST-beta, OSTB, OSTB_HUMAN. |

Target Details

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.

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| Gene ID: | 123264 |
| Pathways: | Regulation of Carbohydrate Metabolic Process |

Application Details

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| Application Notes: | IF(IHC-P) 1:50-200 |
| Restrictions: | For Research Use only |

Handling

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|--------------------|---|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |