

Anti-SLCO2A1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat)
Molecular Weight:	Theoretical: 70 kDa. Actual: 75 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Blank control: Mouse kidney. Primary Antibody (green line): Rabbit Anti-SLCO2A1 antibody (TMAB-12919) Dilution: 3 μg / 10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-PE Dilution: 1 μg /test. Protocol The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.</p> <p>2. Sample: Kidney (Mouse) Lysate at 40 μg Primary: Anti-SLCO2A1 (TMAB-12919) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 70 kD Observed band size: 75 kD</p>
Application:	WB,FCM
Recommended	WB: 1:500-2000; FCM: 3 μ g/Test

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. 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 PGT/Slco2a1
Antigen Species:	Human
Gene ID:	6578
Uniprot ID:	Q92959

Research Background

The organic anion transporting polypeptide (OATP) family of proteins play a role in drug absorption, distribution and excretion. OATP proteins mediate the uptake of a broad range of substrates, including bile salts, hormones, drugs and antibiotics, and they are expressed in various tissues, such as gut, brain, kidney and liver. PGT, also known as

A DRUG SCREENING EXPERT

SLCO2A1 (solute carrier organic anion transporter family, member 2A1), SLC21A2 or OATP2A1, is a 643 amino acid multi-pass membrane protein that belongs to the organic anion transporter family. Expressed ubiquitously, PGT is thought to mediate the release, transepithelial transport and clearance of prostaglandins from cells to other areas of the body. The gene encoding PGT maps to human chromosome 3, which houses over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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