

Anti-SLC10A2 Polyclonal Antibody 3

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat)
Molecular Weight:	Theoretical: 38 kDa. Actual: 46 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Measured by its binding ability in a indirect ELISA. Immobilized Mouse SLC10A2 protein, His Tag at 2 µg/mL (100 µL/well) can bind Rabbit Anti-Mouse SLC10A2 Antibody, the EC50 is 179.9 ng/mL.</p> <p>2. Paraformaldehyde-fixed, paraffin embedded (mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (SLC10A2) Polyclonal Antibody, Unconjugated (TMAB-12836) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p> <p>3. Sample:</p> <p>Lane 1: Human LOVO cell lysates Lane 2: Human SW480 cell lysates Lane 3: Human 293T cell lysates</p> <p>Primary: Anti-SLC10A2 (TMAB-12836) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 38 kDa Observed band size: 46 kDa</p>
Application:	WB,IHC-P,IHC-Fr,IF,ELISA
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:400-800; IF: 1:100-500; ELISA: 1:5000-10000

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:	Recombinant Protein: mouse SLC10A2 protein
Antigen Species:	Mouse
Gene ID:	20494
Uniprot ID:	P70172

Research Background

SLC10A2 plays a critical role in reabsorption of bile acids from the the small intestine lumen. Passive flow of sodium ions down their concentration gradient is coupled to bile acid movement, resulting in an increase in the

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concentration of bile acids in the interior of the cell. This action conserves the body's pool of re-circulating bile acid. SLC10A2 also plays a key role in cholesterol metabolism as cholesterol is the precursor molecule in bile acid synthesis mediated by CYP7A and FXR.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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