

OAT-1 (mouse) Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250798

Unit: 0.1 mg

Description:

The organic anion transporter 1 (OAT-1 or SLC22A6) is localized to the basolateral membrane of renal tubular epithelial cells and plays a critical role in the excretion and detoxification of anionic compounds. OAT-1 functions as organic anion exchanger when the uptake of one molecule of organic anion is coupled with an efflux of one molecule of endogenous dicarboxylic acid (glutarate, ketoglutarate, etc). OAT-1 mediates the sodium-independant uptake of 2,3-dimercapto-1-propanesulfonic acid (DMPS), p-aminohippurate (PAH), ochratoxin (OTA), acyclovir (ACV) and many other organic compounds.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: M, R

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 50% glycerol, 0.1 mg/ml BSA with 0.09% sodium azide. Antibody was purified by Protein-A and immunogen affinity chromatography.

Alternate Names: Solute carrier family 22 member 6; Organic anion transporter 1; OAT1; Renal organic anion transporter 1; ROAT1; Novel kidney transcript; NKT; SLC22A6

Accession No.: Q8VC69

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of mouse OAT-1.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

Product Citations: [1] Naud J et al. 2011. Drug Metabolism and Disposition. 39(8):1363-1369. PMID# 21525170. [2] Eisner C et al. 2012. Kidney International. 77:519-526. PMID# 20032962.

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