
OAT-1 Peptide

Subcategory: Synthetic Peptide, Blocking Peptide

Cat. No.: 300115

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.

Format: Each vial contains 0.1 ml peptide in deionized water for a final concentration of 1 mg/ml. Use at 5.6 ug/ml for a 100X excess over antibody for maximum blocking effect.

Alternate Names: Solute carrier family 22 member 6; Organic anion transporter 1; OAT1; Renal organic anion transporter 1; ROAT1; PAH transporter; PAHT; SLC22A6

Accession No.: Q4U2R8

Sequence: The synthetic peptide used to raise the antibody Cat. No. 250797 is selected from a sequence within the center region of human OAT-1. For blocking experiments, a 10 to 100 fold molar excess to antibody is recommended.

Purity: Purity > 80% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.