To eliminate the drug, xenobiotics, a variety of endogeneous substances, and their metabolites out of the body, specific membrane proteins named transporters are required. There are two major pathways for the elimination, one of which is hepatic one through bile, and another is renal one to urine. The transporter fall into various transport systems by the transportative substrate. In particular, organic ion transporter family is comprised of organic anion transport family (OAT), organic cation transport family (OCT), OCTN/carnitine transport family, and OAT are multispecific organic anion transporters, the substrates of which include a lot of both endogeneous and exogeneous anions.

Organic Cation Transporter 3 (OCT3) is expressed in kidney, placenta and brain. In brain, OCT3 is suggested that it is involved in monoamine regulation mechanism and plays a significant role in the disposition of cationic neurotoxins.

This antibody was established from the purified serum immunized with partial peptide of rat OCT3. This antibody is useful for Immunohistochemistry.

Package Size 25 µg (100 µL/vial)
Format Rabbit polyclonal antibody 0.25mg/mL
Buffer PBS [containing 2% Block Ace as a stabilizer, 0.1% Proclin as a bacteriostat]
Storage Below -20 º
Purification method This antibody was purified from rabbit serum by affinity chromatography.
Working dilution For Immunohistochemistry ; 1~5 µg/mL

Immunohistochemistry

Sample : rat brain astrocyte

Preparation of antibodies and instruction :
Drs. Takeda H. and Inazu M. at Department of Pharmacology, Tokyo Medical University
Reference


*It is the documents which used this antibody