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Datasheet for ABIN500738

anti-SLC22A17 antibody (C-Term)

2 Images

Overview

Quantity:	0.1 mg
Target:	SLC22A17
Binding Specificity:	C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Slc22A17 antibody was raised against a 14 amino acid peptide near the carboxy terminus of the human Slc22A17.
Isotype:	IgG
Specificity:	This antibody detects SLC22A17.
Cross-Reactivity (Details):	Species reactivity (tested):Human, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	SLC22A17
Alternative Name:	SLC22A17 (SLC22A17 Products)
Background:	The Slc22 family of organic anion and cation transporters (OATs, OCTs, OCTNs) are

Target Details

transmembrane proteins expressed predominantly in kidney and liver. Each contain 12 predicted alpha-helical transmembrane domains (TMDs) and one large extracellular loop between TMDs 1 and 2. Transporters of the SLC22 family function in different ways such as uniporters that mediate facilitated diffusion in either direction (OCTs), as anion exchangers (OAT1, OAT3 and URAT1), and as Na(+)/l-carnitine cotransporter (OCTN2). Slc22 family members participate in the absorption and/or excretion of drugs, xenobiotics, and endogenous compounds in intestine, liver, and kidney, and perform homeostatic functions in brain and heart. Mutations in the Slc22 family may cause specific diseases such as primary systemic carnitine deficiency or idiopathic renal hypouricemia and may change drug absorption or excretion. Recent studies show the expression of Slc22A17 as receptor for Lipocalin 2 is relatively high in hematopoietic stem cells. Synonyms: BOCT, BOIT, Brain-type organic cation transporter, Solute carrier family 22 member 17

Gene ID: 51310

UniProt: [Q8WUG5](#)

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: ELISA. Western blot: 1 µg/mL. Immunofluorescence.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

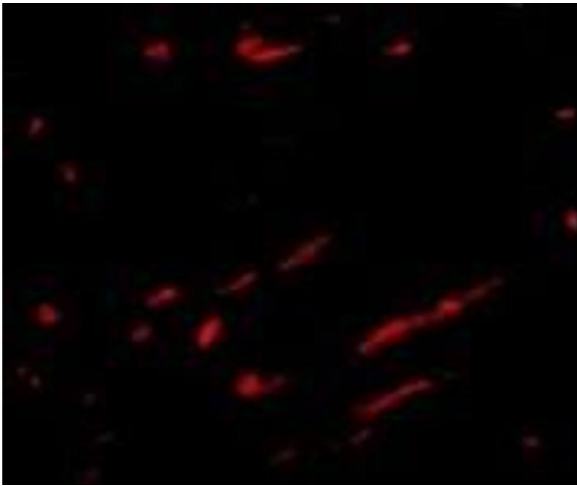
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

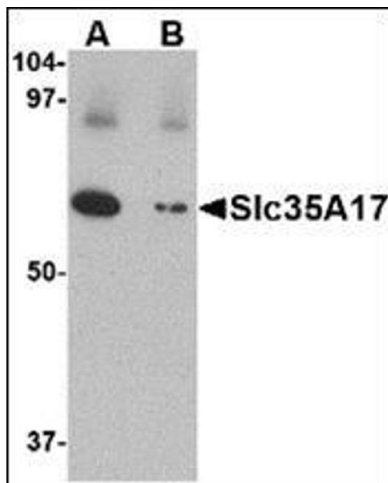
Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunofluorescence

Image 1. Immunofluorescence of Slc22A17 in rat kidney tissue cells with this product at 20 µg/ml.



Western Blotting

Image 2. Western blot analysis of Slc22A17 in SK-N-SH lysate with this product at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.