

Datasheet for 600-401-EN9**Slc22A17 Antibody****Overview**

Description:	Anti-SLC22A17 (RABBIT) Antibody - 600-401-EN9
Item No.:	600-401-EN9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The Slc22 family of organic anion and cation transporters (OATs, OCTs, OCTNs) are 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:	Slc22A17 Antibody, BOCT, BOIT, 24p3R, NGALR, hBOIT, NGALR2, NGALR3, BOCT, Solute carrier family 22 member 17, 24p3 receptor
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SLC22A17
Reactivity:	Human, Mouse, Rat

Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Slc22A17 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide near the C-terminus of the human Slc22A17.
Purity/Specificity:	Anti-Slc22A17 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Slc22A17 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q8WUG5 • GeneID - 51310 • NCBI - Q8WUG5

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-Slc22A17 Antibody has been tested for use in ELISA, Western Blotting, immunohistochemistry, and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 58 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
IHC:	2.5 µg/mL
WB:	1 µg/mL

Formulation

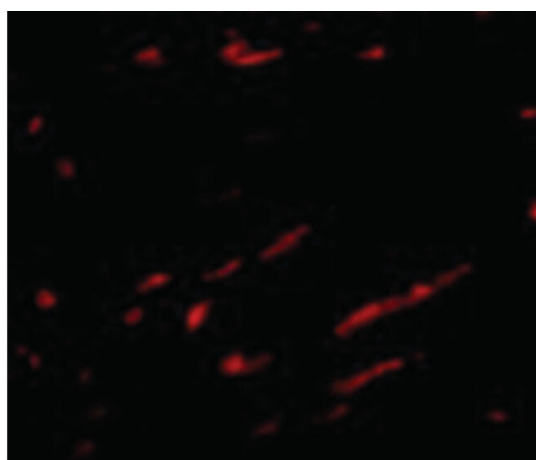
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
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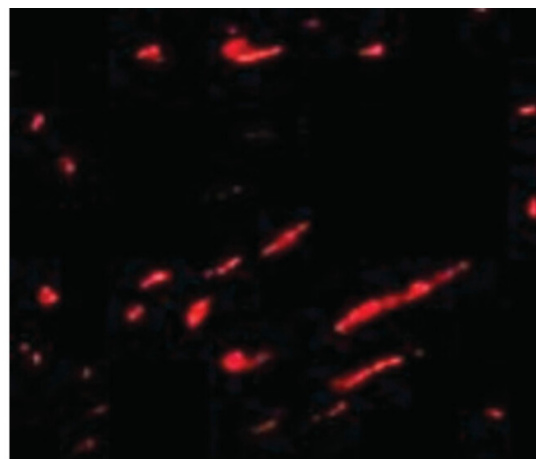
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



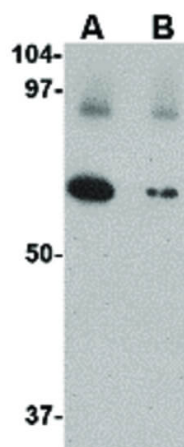
Immunofluorescence Microscopy

Immunofluorescence Microscopy of Slc22A17 antibody.
 Tissue: Rat Kidney cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: Slc22A17 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: Slc22A17 as a red fluorescent signal.



Immunofluorescence Microscopy

Immunofluorescence Microscopy of Slc22A17 antibody.
 Tissue: Rad kidney tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: Slc22A17 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: Slc22A17 as a red fluorescent signal.

**Western Blot**

Western Blot of Slc22A17 antibody. Lane A: SK-N-SH lysate in the absence of blocking peptide. Lane B: SK-N-SH lysate in the presence of blocking peptide. Load: 35 µg per lane.

Primary Antibody: Anti-Slc22A17 at 1 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C.

Predicted/Observed size: 57.6 kDa, ~60 kDa for Slc22A17.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.