

Rabbit SLC31A1/CTR1 Polyclonal Antibody | anti-SLC31A1 antibody

SLC31A1/CTR1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328960	Rabbit	Human, Mouse, Rat Predicted Reactivity: Horse(100%), Rabbit(100%), Dog(88%)	ELISA

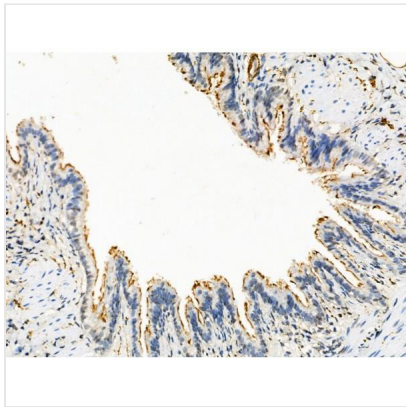
PRODUCT SYNONYMS

SLC31A1/CTR1; Polyclonal Antibody; SLC31A1/CTR1 Antibody; Copper transport 1 homolog; Copper transporter 1; COPT1; COPT1_HUMAN; CTR1; hCTR1; High affinity copper uptake protein 1; SLC31A1; solute carrier family 31 (copper transporters) member 1; Solute carrier family 31 member 1; anti-SLC31A1 antibody

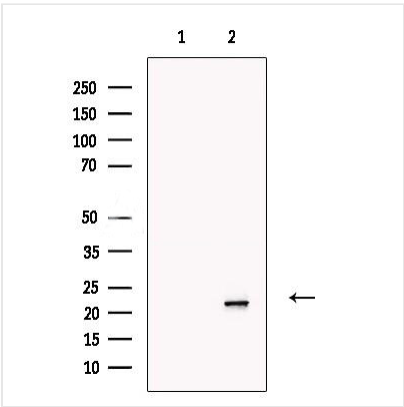
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Horse(100%), Rabbit(100%), Dog(88%)
Clonality	Polyclonal
Isotype	IgG
Specificity	SLC31A1 / CTR1 Antibody detects endogenous levels of total SLC31A1 / CTR1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	190
Applicable Applications for anti-SLC31A1 antibody	ELISA
Immunogen	A synthesized peptide derived from human SLC31A1 / CTR1, corresponding to a region within N-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA328960 at 1/100 staining Rat lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Human lung, using SLC31A1 / CTR1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC31A1 antibody	Function: High-affinity, saturable copper transporter involved in dietary copper uptake.
	Post Translational Modifications: O-Glycosylation at Thr-27 protects from proteolytic cleavage in the N-terminal extracellular domain.
	Subcellular Location: Cell membrane>Multi-pass membrane protein. Note: Localizes to the apical membrane in intestinal epithelial cells.
	Subunit Structure: Homotrimer.
	Similarity: Belongs to the copper transporter (Ctr) (TC 1.A.56) family. SLC31A subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507015
NCBI GeneID	1317
NCBI Accession #	NP_001850.1
NCBI GenBank Nucleotide #	NP_001850.1
UniProt Accession #	O15431
Molecular Weight	Observed Molecular Weight: (Observed)21kD. Predicted Molecular Weight: (Calculated)21kDa.
NCBI Official Full Name	high affinity copper uptake protein 1
NCBI Official Synonym Full Names	solute carrier family 31 member 1
NCBI Official Symbol	SLC31A1
NCBI Official Synonym Symbols	CTR1; COPT1
NCBI Protein Information	high affinity copper uptake protein 1
UniProt Protein Name	High affinity copper uptake protein 1
UniProt Gene Name	SLC31A1
UniProt Synonym Gene Names	COPT1; CTR1; hCTR1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc31a1-ctr1-antibody-elisa/328960>