

## Rabbit SLC31A1 / CTR1 Polyclonal Antibody | anti-SLC31A1 antibody

Rabbit Polyclonal to Human SLC31A1 / CTR1

| CATALOG # | HOST   | REACTIVITY                                                                                                                   | APPLICATIONS         |
|-----------|--------|------------------------------------------------------------------------------------------------------------------------------|----------------------|
| AAA51706  | Rabbit | Gibbon, Bovine, Chicken, Dog, Xenopus, Gorilla, Hamster, Horse, Human, Monkey, Mouse, Orangutan, Pig, Rabbit, Rat, Zebrafish | Immunohistochemistry |

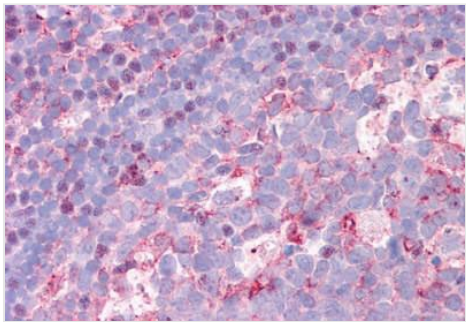
### PRODUCT SYNONYMS

SLC31A1 / CTR1; Polyclonal Antibody; Rabbit Polyclonal to Human SLC31A1 / CTR1; Anti-SLC31A1 / CTR1 Antibody (C-Terminus) IHC-plus; SLC31A1; COPT1; CTR1; Copper transport 1 homolog; Copper transporter 1; HCTR1; Human SLC31A1; anti-SLC31A1 antibody

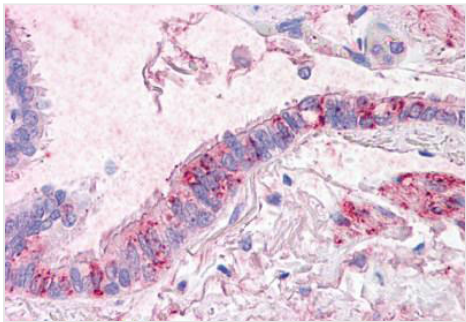
### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                                                                                                                                                                                                                             |
| Reactivity                                        | Gibbon, Bovine, Chicken, Dog, Xenopus, Gorilla, Hamster, Horse, Human, Monkey, Mouse, Orangutan, Pig, Rabbit, Rat, Zebrafish                                                                                                                                                                                                                                                                       |
| Clonality                                         | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                         |
| Specificity                                       | Human CTR1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.                                                                                                                                                                                                                                                                                                  |
| Purity/Purification                               | Immunoaffinity Purified                                                                                                                                                                                                                                                                                                                                                                            |
| Form/Format                                       | PBS, 0.1% sodium azide.                                                                                                                                                                                                                                                                                                                                                                            |
| Concentration                                     | 0.7 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                          |
| Sequence Length                                   | 190                                                                                                                                                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-SLC31A1 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                                                                                                         |
| Target Species                                    | Human                                                                                                                                                                                                                                                                                                                                                                                              |
| Immunogen Description                             | Synthetic 14 amino acid peptide from C-terminus of human CTR1. Percent identity with other species by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset, Mouse, Rat, Bovine, Dog, Hamster, Elephant, Panda, Horse, Rabbit, Pig, Opossum.                                                                                                                                         |
| Immunogen Type                                    | Synthetic peptide                                                                                                                                                                                                                                                                                                                                                                                  |
| Immunogen                                         | SLC31A1 / CTR1 antibody was raised against synthetic 14 amino acid peptide from C-terminus of human CTR1. Percent identity with other species by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset, Mouse, Rat, Bovine, Dog, Hamster, Elephant, Panda, Horse, Rabbit, Pig, Opossum, Turkey, Chicken, Platypus, Xenopus, Salmon, Zebrafish (100%); Pufferfish, Stickleback (93%). |
| Antigen Modification                              | C-Terminus                                                                                                                                                                                                                                                                                                                                                                                         |
| Preparation and Storage                           | Long term: -70 degree C; Short term: +4 degree C                                                                                                                                                                                                                                                                                                                                                   |

IMAGES



**IHC (Immunohistochemistry)**  
Anti-CTR1 antibody IHC of human colon, MALT. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



**IHC (Immunohistochemistry)**  
Anti-CTR1 antibody IHC of human lung, respiratory epithelium. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

|                                                     |                                                                                       |
|-----------------------------------------------------|---------------------------------------------------------------------------------------|
| Product Categories/Family for anti-SLC31A1 antibody | Family: <a href="#">Transporter</a> ; Subfamily: <a href="#">Copper transporter-2</a> |
|-----------------------------------------------------|---------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">4507015</a>                                                                                                                                                              |
| NCBI GeneID                      | <a href="#">1317</a>                                                                                                                                                                 |
| NCBI Accession #                 | <a href="#">NP_001850.1</a>                                                                                                                                                          |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001859.3</a>                                                                                                                                                          |
| UniProt Accession #              | <a href="#">O15431</a> ; <a href="#">Q53GR5</a> ; <a href="#">Q5T1M4</a> ; <a href="#">A8K8Z6</a>                                                                                    |
| Molecular Weight                 | 21,091 Da                                                                                                                                                                            |
| NCBI Official Full Name          | high affinity copper uptake protein 1                                                                                                                                                |
| NCBI Official Synonym Full Names | solute carrier family 31 (copper transporter), member 1                                                                                                                              |
| NCBI Official Symbol             | SLC31A1                                                                                                                                                                              |
| NCBI Official Synonym Symbols    | CTR1; COPT1                                                                                                                                                                          |
| NCBI Protein Information         | high affinity copper uptake protein 1; copper transporter 1; copper transport 1 homolog; solute carrier family 31 member 1; solute carrier family 31 (copper transporters), member 1 |
| UniProt Protein Name             | High affinity copper uptake protein 1                                                                                                                                                |
| UniProt Gene Name                | <b>SLC31A1</b>                                                                                                                                                                       |
| UniProt Synonym Gene Names       | COPT1; CTR1; hCTR1                                                                                                                                                                   |
| UniProt Entry Name               | COPT1_HUMAN                                                                                                                                                                          |

**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.