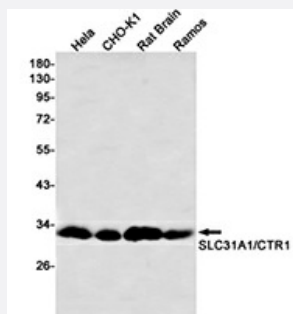


RecomAb™

# SLC31A1 recombinant monoclonal antibody, clone R06-7G0

Catalog # RAB01360      Size 100 uL

## Applications



### Western Blot

Western blot analysis of SLC31A1/CTR1 in Hela, CHO-K1, rat Brain, Ramos lysates using SLC31A1/CTR1 antibody.

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human SLC31A1.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against recombinant protein corresponding to human SLC31A1.
<b>Theoretical MW (kDa)</b>	Calculated MW: 21 kD
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Western Blot The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 50mM Tris-Glycine, pH 7.4, (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

**Storage Instruction**

Store at 4°C. For longer storage, aliquot and store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

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

## Applications

- Western Blot

Western blot analysis of SLC31A1/CTR1 in HeLa, CHO-K1, rat Brain, Ramos lysates using SLC31A1/CTR1 antibody.

## Gene Info — SLC31A1

**Entrez GeneID**[1317](#)**Protein Accession#**[O15431](#)**Gene Name**

SLC31A1

**Gene Alias**

COPT1, CTR1, MGC75487, hCTR1

**Gene Description**

solute carrier family 31 (copper transporters), member 1

**Omim ID**[603085](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Copper is an element essential for life, but excessive copper can be toxic or even lethal to the cell. Therefore, cells have developed sophisticated ways to maintain a critical copper balance, with the intake, export, and intracellular compartmentalization or buffering of copper strictly regulated. The 2 related genes ATP7A (MIM 300011) and ATP7B (MIM 606882), responsible for the human diseases Menkes syndrome (MIM 309400) and Wilson disease (MIM 277900), respectively, are involved in copper export. In *S. cerevisiae*, the copper uptake genes CTR1, CTR2, and CTR3 have been identified, and in human the CTR1 and CTR2 (MIM 603088) genes have been identified. [supplied by OMIM]

**Other Designations**

OTTHUMP00000021950|copper transport 1 homolog|copper transporter 1