

SLC31A2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18633c**Specification**

SLC31A2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O15432](#)**SLC31A2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1318**Other Names**

Probable low affinity copper uptake protein 2, Copper transporter 2, hCTR2, Solute carrier family 31 member 2, SLC31A2, COPT2, CTR2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SLC31A2 Antibody (Center) Blocking Peptide - Protein Information**Name** SLC31A2 ([HGNC:11017](#))**Function**

Does not function as a copper(1+) importer in vivo (By similarity). However, in vitro functions as a low-affinity copper(1+) importer (PubMed:17944601, PubMed:17617060). Regulator of SLC31A1 which facilitates the cleavage of the SLC31A1 ecto-domain or which stabilizes the truncated form of SLC31A1 (Truncated CTR1 form), thereby drives the SLC31A1 truncated form-dependent endosomal copper export and modulates the copper and cisplatin accumulation via SLC31A1 (By similarity).

Cellular Location

Membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein. Late endosome membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Note=Plasma membrane localization is partial

Tissue Location

Ubiquitous with high expression in placenta and heart.

SLC31A2 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SLC31A2 Antibody (Center) Blocking Peptide - Images**SLC31A2 Antibody (Center) Blocking Peptide - Background**

SLC31A2 is involved in low-affinity copper uptake (Potential).

SLC31A2 Antibody (Center) Blocking Peptide - References

Blair, B.G., et al. Clin. Cancer Res. 15(13):4312-4321(2009) Bertinato, J., et al. Biochem. J. 409(3):731-740(2008) van den Berghe, P.V., et al. Biochem. J. 407(1):49-59(2007) Zhou, B., et al. Proc. Natl. Acad. Sci. U.S.A. 94(14):7481-7486(1997)