

ORNT2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18166c**Specification**

ORNT2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9BXI2](#)**ORNT2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 83884**Other Names**

Mitochondrial ornithine transporter 2, Solute carrier family 25 member 2, SLC25A2, ORNT2

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.

ORNT2 Antibody (Center) Blocking Peptide - Protein Information**Name** SLC25A2 ([HGNC:22921](#))**Function**

Mitochondrial transporter of the positively charged amino acids ornithine, lysine and arginine, and the neutral amino acid citrulline (PubMed:12807890). In addition, transports the basic amino acids histidine, homoarginine, and asymmetric dimethylarginine (aDMA), but not symmetric DMA, and the D-forms of lysine, arginine, ornithine and histidine (PubMed:26403849, PubMed:12807890). Functions by both counter-exchange and uniport mechanisms (PubMed:26403849).

Cellular Location

Mitochondrion membrane; Multi-pass membrane protein. Mitochondrion inner membrane; Multi-pass membrane protein

Tissue Location

Expressed in liver, testis, spleen, lung, pancreas, and small intestine and expressed poorly in other tissues

ORNT2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ORNT2 Antibody (Center) Blocking Peptide - Images

ORNT2 Antibody (Center) Blocking Peptide - Background

Located between the protocadherin beta and gamma geneclusters on chromosome 5, this intronless gene encodes a protein that is highly similar to an ornithine transporter localized in the mitochondrial inner membrane. The encoded protein most likely plays a role in metabolism as a mitochondrial transport protein.

ORNT2 Antibody (Center) Blocking Peptide - References

Trynka, G., et al. Gut 58(8):1078-1083(2009) Fiermonte, G., et al. J. Biol. Chem. 278(35):32778-32783(2003) Camacho, J.A., et al. Mol. Genet. Metab. 79(4):257-271(2003) Wu, Q., et al. Genome Res. 11(3):389-404(2001) Porter, R.K. Biochim. Biophys. Acta 1459 (2-3), 356-362 (2000) :