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ORNT2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18166c

Specification

ORNT2 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9BXI2
Other Accession	NP_114153.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**32580**
Antigen Region	**78-107**

ORNT2 Antibody (Center) - Additional Information

Gene ID 83884

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

Target/Specificity
This ORNT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 78-107 amino acids from the Central region of human ORNT2.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ORNT2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ORNT2 Antibody (Center) - 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

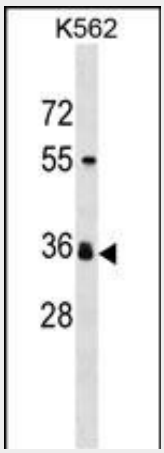
Tissue Location
Expressed in liver, testis, spleen, lung, pancreas, and small intestine and expressed poorly in other tissues

ORNT2 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ORNT2 Antibody (Center) - Images



ORNT2 Antibody (Center) (Cat. #AP18166c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the ORNT2 antibody detected the ORNT2 protein (arrow).

ORNT2 Antibody (Center) - Background

Located between the protocadherin beta and gamma gene clusters 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) - 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)
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Porter, R.K. Biochim. Biophys. Acta 1459 (2-3), 356-362 (2000) :