

SLC27A3 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13457a

Specification

SLC27A3 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [Q5K4L6](#)

SLC27A3 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 11000

Other Names

Long-chain fatty acid transport protein 3, FATP-3, Fatty acid transport protein 3, 621-, Solute carrier family 27 member 3, Very long-chain acyl-CoA synthetase homolog 3, VLCS-3, SLC27A3, ACSVL3, FATP3

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13457a was selected from the N-term region of SLC27A3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

SLC27A3 Antibody (N-term) Blocking peptide - Protein Information

Name SLC27A3 ([HGNC:10997](#))

Function

Mainly functions as an acyl-CoA ligase catalyzing the ATP- dependent formation of fatty acyl-CoA using LCFA and very-long-chain fatty acids (VLCFA) as substrates (PubMed:23936004). Can mediate the levels of long-chain fatty acids (LCFA) in the cell by facilitating their transport across membranes (By similarity).

Cellular Location

Mitochondrion membrane; Single-pass membrane protein

Tissue Location

Expressed in bronchial and bronchiolar epithelial cells (at protein level).

SLC27A3 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SLC27A3 Antibody (N-term) Blocking peptide - Images

SLC27A3 Antibody (N-term) Blocking peptide - Background

SLC27A3 has acyl-CoA ligase activity for long-chain and very-long-chain fatty acids. Does not exhibit fatty acid transport activity (By similarity).

SLC27A3 Antibody (N-term) Blocking peptide - References

Pei, Z., et al. Cancer Res. 69(24):9175-9182(2009)Pei, Z., et al. J. Biol. Chem. 279(52):54454-54462(2004)Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)Hirsch, D., et al. Proc. Natl. Acad. Sci. U.S.A. 95(15):8625-8629(1998)