

SLC27A3 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13457A

Specification

SLC27A3 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O5K4L6
Other Accession	NP_077306.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	73550
Antigen Region	124-152

SLC27A3 Antibody (N-term) - 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

This SLC27A3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 124-152 amino acids from the N-terminal region of human SLC27A3.

Dilution

WB~~1:1000
IHC-P~~1:10~50

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

SLC27A3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC27A3 Antibody (N-term) - 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

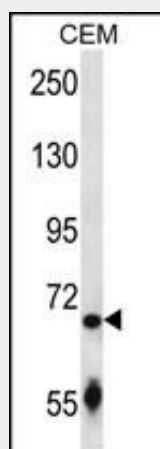
Expressed in bronchial and bronchiolar epithelial cells (at protein level).

SLC27A3 Antibody (N-term) - Protocols

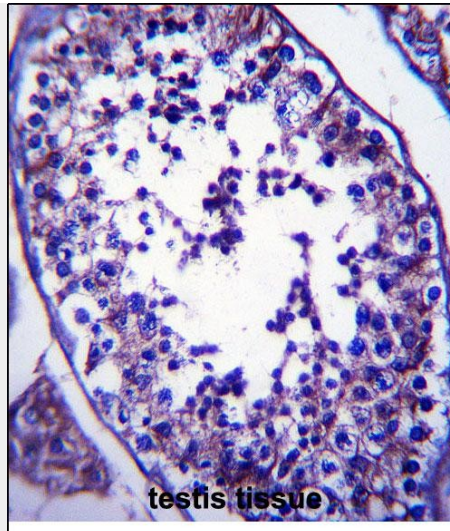
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SLC27A3 Antibody (N-term) - Images



SLC27A3 Antibody (N-term) (Cat. #AP13457a) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the SLC27A3 antibody detected the SLC27A3 protein (arrow).



SLC27A3 Antibody (N-term) (Cat. #AP13457a) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of SLC27A3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

SLC27A3 Antibody (N-term) - 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) - 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)