10320 Camino Santa Fe, Suite G
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DNALI1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16623b

Specification

DNALI1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O14645

DNALI1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 7802

Other Names
Axonemal dynein light intermediate polypeptide 1, Inner dynein arm light chain, axonemal, hp28, DNALI1

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.

DNALI1 Antibody (C-term) Blocking Peptide - Protein Information

Name DNALI1 (HGNC:14353)

Function
Involved in sperm flagellum assembly.

Cellular Location
Cell projection, cilium. Cell projection, cilium, flagellum. Dynein axonemal particle {ECO:0000250|UniProtKB:Q6GN86}. Cytoplasm

Tissue Location
Expressed in many tissues. A smaller 0.9 kb and a larger 2.5 kb transcripts were detected at the highest level in the testis, at medium levels in the prostate, heart, liver, lung and pancreas, at low levels in the ovary, skeletal muscle and small intestine. Not detected in spleen, colon epithelium, thymus or peripheral blood leukocytes. The 0.9 kb transcript is expressed at a 20-fold higher level than the 2.5 kb transcript in the testis Expressed in spermatozoa and airway epithelial cells (at protein level) (PubMed:31178125).

DNALI1 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

DNALI1 Antibody (C-term) Blocking Peptide - Images

DNALI1 Antibody (C-term) Blocking Peptide - Background

This gene is the human homolog of the Chlamydomonas innerdynein arm gene, p28. The precise function of this gene is notknown, however, it is a potential candidate for immotile ciliasyndrome (ICS). Ultrastructural defects of the inner dynein armsare seen in patients with ICS. Immotile mutant strains ofChlamydomonas, a biflagellated algae, exhibit similar defects.

DNALI1 Antibody (C-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Lamesch, P., et al. Genomics 89(3):307-315(2007)Combs, J., et al. Proc. Natl. Acad. Sci. U.S.A. 103(40):14883-14888(2006)Kastury, K., et al. J. Clin. Endocrinol. Metab. 82(9):3047-3053(1997)