

**DNALI1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16623b****Specification**

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**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**

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 not known, however, it is a potential candidate for immotile cilia syndrome (ICS). Ultrastructural defects of the inner dynein arms are seen in patients with ICS. Immotile mutant strains of *Chlamydomonas*, 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)