

**DNAI2 Blocking Peptide (C-term)**  
**Synthetic peptide**  
**Catalog # BP20171b****Specification**

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**DNAI2 Blocking Peptide (C-term) - Product Information**

Primary Accession [O9GZS0](#)  
Other Accession [NP\\_075462.3](#)

**DNAI2 Blocking Peptide (C-term) - Additional Information**

**Gene ID** 64446

**Other Names**

Dynein intermediate chain 2, axonemal, Axonemal dynein intermediate chain 2, DNAI2

**Target/Specificity**

The synthetic peptide sequence is selected from aa 499-513 of HUMAN DNAI2

**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.

**DNAI2 Blocking Peptide (C-term) - Protein Information**

**Name** DNAI2 ([HGNC:18744](#))

**Function**

Part of the dynein complex of respiratory cilia.

**Cellular Location**

Cytoplasm, cytoskeleton, cilium axoneme. Dynein axonemal particle {ECO:0000250|UniProtKB:Q4QR00}. Note=Located in the proximal region of respiratory cilia.

**Tissue Location**

Highly expressed in trachea and testis. Expressed in respiratory ciliated cells (at protein level) (PubMed:33139725)

**DNAI2 Blocking Peptide (C-term) - Protocols**

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

- [Blocking Peptides](#)

#### **DNAI2 Blocking Peptide (C-term) - Images**

#### **DNAI2 Blocking Peptide (C-term) - Background**

The protein encoded by this gene belongs to the dynein intermediate chain family, and is part of the dynein complex of respiratory cilia and sperm flagella. Mutations in this gene are associated with primary ciliary dyskinesia type 9. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.

#### **DNAI2 Blocking Peptide (C-term) - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :  
Loges, N.T., et al. Am. J. Hum. Genet. 83(5):547-558(2008)  
Pennarun, G., et al. Hum. Genet. 107(6):642-649(2000)