

DNAI1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16763a**Specification**

DNAI1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q9UI46](#)

DNAI1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 27019

Other Names

Dynein intermediate chain 1, axonemal, Axonemal dynein intermediate chain 1, DNAI1

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.

DNAI1 Antibody (N-term) Blocking Peptide - Protein Information

Name DNAI1

Function

Part of the dynein complex of respiratory cilia.

Cellular Location

Dynein axonemal particle. Cytoplasm, cytoskeleton, cilium axoneme

Tissue Location

Expressed in respiratory ciliated cells (at protein level).

DNAI1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DNAI1 Antibody (N-term) Blocking Peptide - Images**DNAI1 Antibody (N-term) Blocking Peptide - Background**

The inner- and outer-arm dyneins, which bridge between the doublet microtubules in axonemes, are the force-generating proteins responsible for the sliding movement in axonemes. The intermediate and light chains, thought to form the base of the dynein arm, help mediate attachment and may also participate in regulating dynein activity. This gene encodes an intermediate chain dynein, belonging to the large family of motor proteins. Mutations in this gene result in abnormal ciliary ultrastructure and function associated with primary ciliary dyskinesia (PCD) and Kartagener syndrome.

DNAI1 Antibody (N-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Leigh, M.W., et al. Curr. Opin. Pediatr. 21(3):320-325(2009) Zuccarello, D., et al. Hum. Reprod. 23(8):1957-1962(2008) Failly, M., et al. Respiration 76(2):198-204(2008) Zariwala, M.A., et al. Am. J. Respir. Crit. Care Med. 174(8):858-866(2006)