

**RSPH9 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10366c****Specification**

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**RSPH9 Antibody (Center) Blocking peptide - Product Information**

Primary Accession [O9H1X1](#)  
Other Accession [NP\\_689945.2](#)

**RSPH9 Antibody (Center) Blocking peptide - Additional Information**

**Gene ID** 221421

**Other Names**

Radial spoke head protein 9 homolog, RSPH9, C6orf206, MRPS18AL1

**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.

**RSPH9 Antibody (Center) Blocking peptide - Protein Information**

**Name** RSPH9

**Synonyms** C6orf206, MRPS18AL1

**Function**

Functions as part of axonemal radial spoke complexes that play an important part in the motility of sperm and cilia (PubMed:<a href="http://www.uniprot.org/citations/19200523" target="\_blank">19200523</a>). Essential for both the radial spoke head assembly and the central pair microtubule stability in ependymal motile cilia (By similarity). Required for motility of olfactory and neural cilia and for the structural integrity of ciliary axonemes in both 9+0 and 9+2 motile cilia (By similarity).

**Cellular Location**

Cytoplasm, cytoskeleton, cilium axoneme {ECO:0000250|UniProtKB:Q9D9V4}. Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:Q9D9V4}. Cell projection, kinocilium {ECO:0000250|UniProtKB:Q5TYW6}

**RSPH9 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **RSPH9 Antibody (Center) Blocking peptide - Images**

#### **RSPH9 Antibody (Center) Blocking peptide - Background**

This gene encodes a protein thought to be a component of the radial spoke head in motile cilia and flagella. Mutations in this gene are associated with primary ciliary dyskinesia 12. Alternative splicing results in multiple transcript variants.

#### **RSPH9 Antibody (Center) Blocking peptide - References**

Reish, O., et al. Ann. Hum. Genet. 74(2):117-125(2010) Castleman, V.H., et al. Am. J. Hum. Genet. 84(2):197-209(2009) Mungall, A.J., et al. Nature 425(6960):805-811(2003)