

CI024 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5603c**Specification**

CI024 Antibody (Center) Blocking peptide - Product Information

Primary Accession [O8NCR6](#)
Other Accession [NP_115985.2](#)

CI024 Antibody (Center) Blocking peptide - Additional Information

Gene ID 84688

Other Names

Spermatid-specific manchette-related protein 1, Ciliated bronchial epithelial protein 1, Testis development protein NYD-SP22, SMRP1, C9orf24, CBE1

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.

CI024 Antibody (Center) Blocking peptide - Protein Information

Name SPMIP6 ([HGNC:19919](#))

Function

May participate in intramanchette transport and midpiece formation of the sperm tail. May play a potential role in somatic cell proliferation.

Cellular Location

Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q2MH31}. Nucleus Cytoplasm. Mitochondrion {ECO:0000250|UniProtKB:Q2MH31}. Cell projection, cilium, flagellum. Note=During spermatid elongation (step 10), localizes along the length of the manchette and later during the elongation process only at the distal ends of spermatid manchette (step 12). In late elongated spermatids (step 16), in the final steps of spermiogenesis, localization is restricted to the midpiece of the flagellum. Localizes at the contractile ring in dividing cells (By similarity). Predominantly perinuclear in bronchial epithelial cells but also detected in the nucleus in some primary epithelial cells and in a number of cell lines (PubMed:15242845) {ECO:0000250|UniProtKB:Q2MH31, ECO:0000269|PubMed:15242845}

Tissue Location

Expressed in testis (PubMed:28601408). Strongly expressed in ciliated epithelial cells with lower

levels in goblet cells (at protein level) (PubMed:15242845)

CI024 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CI024 Antibody (Center) Blocking peptide - Images

CI024 Antibody (Center) Blocking peptide - Background

This gene was isolated using microarray hybridization to screen for gene expression differences between fetal and adult testes. The conserved testis development-related genes found in both human and mouse testes may include genes that are likely to be involved in testicular functions, including spermatogenesis. This gene had higher expression in adults, compared to 6-month embryos. The specific function of this gene product has not been determined. Alternative splicing has been observed at this locus and three transcript variants, each encoding a distinct isoform, have been identified.

CI024 Antibody (Center) Blocking peptide - References

Haitchi, H.M., et al. Eur. Respir. J. 33(5):1095-1104(2009) Pope, S.N., et al. J. Steroid Biochem. Mol. Biol. 94 (1-3), 203-208 (2005) :Yoshisue, H., et al. Am. J. Respir. Cell Mol. Biol. 31(5):491-500(2004) Sha, J., et al. Mol. Hum. Reprod. 8(6):511-517(2002)