

TEKT3 Antibody(N-term) Blocking peptide
Synthetic peptide
Catalog # BP19474a**Specification**

TEKT3 Antibody(N-term) Blocking peptide - Product InformationPrimary Accession [Q9BXF9](#)**TEKT3 Antibody(N-term) Blocking peptide - Additional Information****Gene ID** 64518**Other Names**

Tektin-3, TEKT3

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.

TEKT3 Antibody(N-term) Blocking peptide - Protein Information**Name** TEKT3**Function**

Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in cilia and flagellar axoneme (PubMed:36191189). Forms filamentous polymers in the walls of ciliary and flagellar microtubules (By similarity). Required for normal sperm mobility (By similarity).

Cellular Location

Cytoplasm, cytoskeleton, cilium axoneme. Cytoplasm, cytoskeleton, flagellum axoneme. Cytoplasmic vesicle, secretory vesicle, acrosome outer membrane {ECO:0000250|UniProtKB:A6H782, ECO:0000250|UniProtKB:Q4V8G8}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q4V8G8}. Note=In spermatozoa, preferentially localizes to the flagella, but also found in the head (PubMed:36708031). In the sperm flagellum, localizes to the periaxonemal region where it associates with the mitochondrial sheath and outer dense fibers (By similarity). Not detected in the central axonemal region of the flagellum (By similarity). Associates with the acrosome membrane in the equatorial segment of the sperm head (By similarity). Also detected just below the plasma membrane in the post-acrosomal region where it might localize to the postacrosomal dense lamina (By similarity). However, other studies report little or no expression in the postacrosomal region (By similarity). Translocates from the postacrosomal region to the equatorial segment after sperm activation (By similarity). Retained in the

postacromal region, but not the equatorial segment, following the acrosome reaction (By similarity). Some studies report strong expression in the anterior cap region (By similarity). However, other studies report little or no expression in the acrosomal cap (By similarity) {ECO:0000250|UniProtKB:A6H782, ECO:0000250|UniProtKB:Q4V8G8, ECO:0000269|PubMed:36708031}

Tissue Location

Expressed in spermatozoa (PubMed:36708031). Expressed in airway epithelial cells (PubMed:36191189)

TEKT3 Antibody(N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TEKT3 Antibody(N-term) Blocking peptide - Images**TEKT3 Antibody(N-term) Blocking peptide - Background**

This gene product belongs to the tektin family of proteins. Tektins comprise a family of filament-forming proteins that are coassembled with tubulins to form ciliary and flagellar microtubules. The exact function of this gene is not known.

TEKT3 Antibody(N-term) Blocking peptide - References

Wilk, J.B., et al. BMC Med. Genet. 8 SUPPL 1, S8 (2007) :Roy, A., et al. Mol. Reprod. Dev. 67(3):295-302(2004) Inoue, K., et al. Genome Res. 11(6):1018-1033(2001)