

Tekt3 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14175

Product Information

Application	WB
Primary Accession	Q4V8G8
Other Accession	NM_001024739 , NP_001019910
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56416

Additional Information

Gene ID	287392
Other Names	Tektin-3, Tekt3
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Tekt3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Tekt3 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Tekt3
Function	Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in cilia and flagellar axoneme. 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 {ECO:0000250 UniProtKB:A6H782}. Cytoplasm, cytoskeleton, flagellum axoneme Cytoplasmic vesicle, secretory vesicle, acrosome outer membrane; Peripheral membrane protein. Note=In spermatozoa, preferentially localizes to the flagella, but also found in the head (By similarity). In the sperm flagellum, localizes to the periaxonemal region where it associates with the mitochondrial sheath and outer dense fibers (PubMed:21744413) Not detected in the central axonemal region of the

flagellum (PubMed:21744413). Associates with the acrosome membrane in the equatorial segment of the sperm head (PubMed:21744413). 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 (PubMed:21744413). 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:Q9BXF9, ECO:0000269|PubMed:21744413}

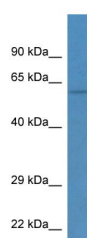
Tissue Location

Expressed in epididymal sperm (at protein level).

References

Khan S.A.,et al.Reproduction 138:81-93(2009).

Images



WB Suggested Anti-Tekt3 Antibody Titration: 1.0 µg/ml
Positive Control: Rat Muscle

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.