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Tekt3 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14175

Specification

Tekt3 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q4V8G8
Other Accession	NM_001024739, NP_001019910
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Chicken, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**54kDa KDa**

Tekt3 antibody - N-terminal region - 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.

Tekt3 antibody - N-terminal region - 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}. Cell projection, cilium, flagellum. 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}

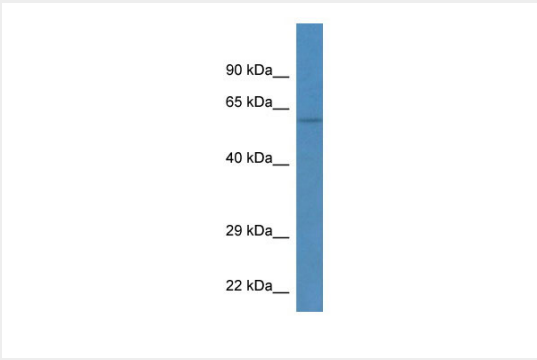
Tissue Location
Expressed in epididymal sperm (at protein level).

Tekt3 antibody - N-terminal region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Tekt3 antibody - N-terminal region - Images



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

Tekt3 antibody - N-terminal region - References

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