

**TEKT5 Antibody**  
**Catalog # ASC11338****Specification**

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**TEKT5 Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q96M29</a>
Other Accession	<a href="#">NP_653275</a> , <a href="#">21389569</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	TEKT5 antibody can be used for detection of TEKT5 by Western blot at 0.5 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL.

**TEKT5 Antibody - Additional Information**Gene ID **146279****Target/Specificity**

TEKT5; This antibody is predicted to not cross-react with other Tektin protein family members

**Reconstitution & Storage**

TEKT5 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

TEKT5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**TEKT5 Antibody - Protein Information****Name** TEKT5**Function**

May be a structural component of the sperm flagellum.

**Cellular Location**

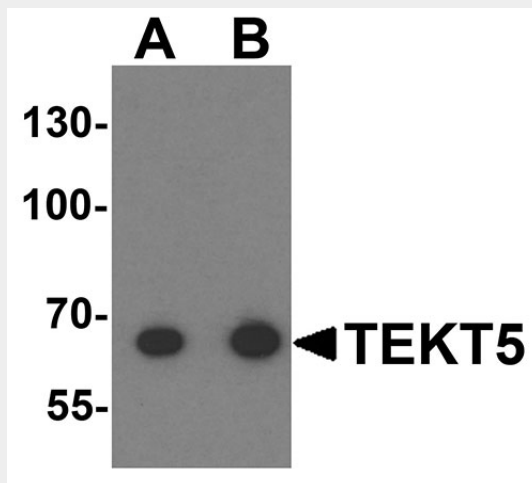
Cell projection, cilium, flagellum {ECO:0000250|UniProtKB:G5E8A8}. Note=Appears to be associated with flagellar accessory structures and not the axoneme {ECO:0000250|UniProtKB:G5E8A8}

**TEKT5 Antibody - Protocols**

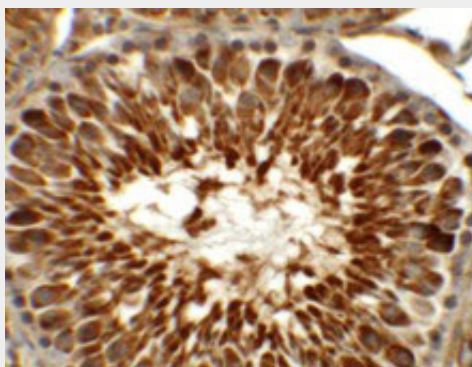
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## TEKT5 Antibody - Images



Western blot analysis of TEKT5 in 3T3 cell lysate with TEKT5 antibody at (A) 0.25 and (B) 0.5 µg/mL.



Immunohistochemistry of TEKT5 in rat testis tissue with TEKT5 antibody at 5 µg/mL.

## TEKT5 Antibody - Background

**TEKT5 Antibody:** Tektins are insoluble alpha-helical proteins related to intermediate filament proteins and are essential for the assembly of cilia and flagella. Tektin-5 (TEKT5) is a recently identified member of the Tektin family. It is predominantly expressed in testis, and its expression is upregulated during testis development. It is present in sperm flagella but not in heads, suggesting that it may act as a middle component required for flagellar stability and sperm mobility.

## TEKT5 Antibody - References

Amos LA. The tektin family of microtubule-stabilizing proteins. *Genome Biol.* 2008; 9:229.  
Murayama E, Yamamoto E, Kaneko T, et al. Tektin5, a new Tektin family member, is a component of the middle piece of flagella in rat spermatozoa. *Mol. Reprod. Dev.* 2008; 75:650-8.

