

**Datasheet for 600-401-FB6****TEKT5 Antibody****Overview**

|                      |                                            |
|----------------------|--------------------------------------------|
| <b>Description:</b>  | Anti-TEKT5 (RABBIT) Antibody - 600-401-FB6 |
| <b>Item No.:</b>     | 600-401-FB6                                |
| <b>Size:</b>         | 100 µg                                     |
| <b>Applications:</b> | ELISA, IHC, WB                             |
| <b>Reactivity:</b>   | Human, Mouse, Rat                          |
| <b>Host Species:</b> | Rabbit                                     |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Background:</b>   | 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. |
| <b>Synonyms:</b>     | TEKT5 Antibody, CT149, Tektin-5                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**Target Details**

|                            |                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>          | TEKT5                                                                                                                                                                                          |
| <b>Reactivity:</b>         | Human, Mouse, Rat                                                                                                                                                                              |
| <b>Immunogen Type:</b>     | Conjugated Peptide                                                                                                                                                                             |
| <b>Immunogen:</b>          | Anti-TEKT5 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the internal region of human TEKT5.                    |
| <b>Purity/Specificity:</b> | Anti-TEKT5 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is predicted to not cross-react with other Tektin protein family members |

|                        |                                                                                                                                                                             |
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| <b>Relevant Links:</b> | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q96M29</a></li><li>• <a href="#">GeneID - 146279</a></li><li>• <a href="#">NCBI - NP_653275.1</a></li></ul> |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Application Details

|                             |                                                                                                                                                                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | ELISA, IHC, WB                                                                                                                                                                                                                                                         |
| <b>Application Note:</b>    | Anti-TEKT5 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 56 kDa in Western Blots of specific cell lysates and tissues. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                        |
| <b>ELISA:</b>               | 1:5,000                                                                                                                                                                                                                                                                |
| <b>IHC:</b>                 | 5 µg/mL                                                                                                                                                                                                                                                                |
| <b>WB:</b>                  | 0.5 µg/mL                                                                                                                                                                                                                                                              |

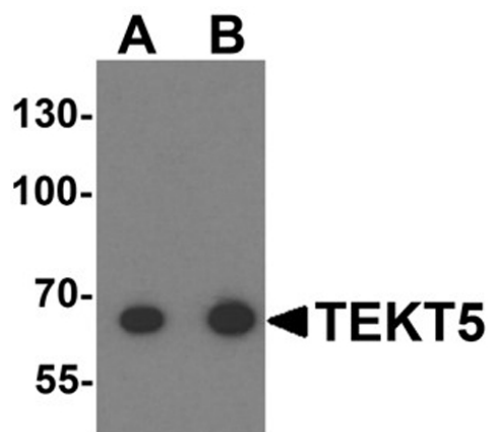
## Formulation

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                               |
| <b>Concentration:</b>  | 1 mg/mL by UV absorbance at 280 nm                      |
| <b>Buffer:</b>         | 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.02% (w/v) Sodium Azide                                |
| <b>Stabilizer:</b>     | None                                                    |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Dry Ice                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Condition:</b>  | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                         |

## Images

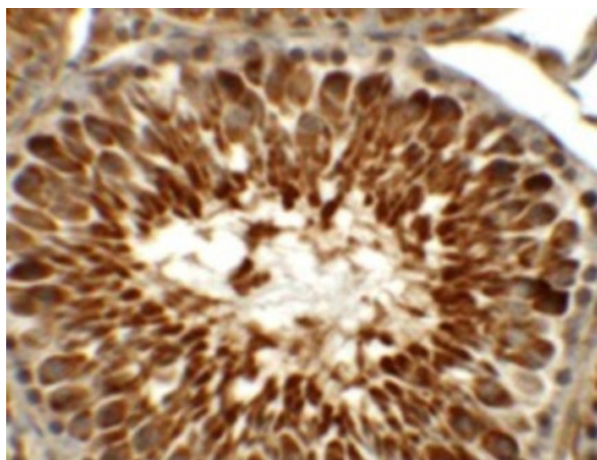


#### Western Blot

Western blot analysis of TEKT5.

Load: 3T3 cell lysate.

Primary Antibody: TEKT5 antibody at (A) 0.25 $\mu$ g/mL and (B) 0.5 $\mu$ g/mL.



#### Immunohistochemistry

Immunohistochemistry of TEKT5.

Tissue: rat testis tissue.

Primary Antibody: TEKT5 antibody at 5  $\mu$ g/mL.

## Disclaimer

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