

**Datasheet for 600-401-FB2****TCTN2 Antibody****Overview**

|                      |                                            |
|----------------------|--------------------------------------------|
| <b>Description:</b>  | Anti-TCTN2 (RABBIT) Antibody - 600-401-FB2 |
| <b>Item No.:</b>     | 600-401-FB2                                |
| <b>Size:</b>         | 100 µg                                     |
| <b>Applications:</b> | ELISA, WB                                  |
| <b>Reactivity:</b>   | Human, Mouse                               |
| <b>Host Species:</b> | Rabbit                                     |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Background:</b>   | TCTN2 is a member of the Tectonic protein family, a group of evolutionarily conserved secreted and transmembrane proteins that regulate the Hedgehog (Hh)-mediated patterning of the neural tube. While the expression pattern and function of TCTN2 is not known, it is 49% similar to TCTN1. TCTN1 is expressed during embryonic development in regions that participate in Hh signaling, beginning in the gastrulation stages in the ventral node. Mice expressing mutant TCTN1 die between E13.5 and E16.5 and display holoprosencephaly, a defect associated with reduced Hh signaling, indicating the role of TCTN1 as an Hh activator. At later stages in development, TCTN1 is thought to also act as a repressor on the Hh pathway in the anterior and posterior neural tube. |
| <b>Synonyms:</b>     | TCTN2 Antibody, MKS8, TECT2, C12orf38, Tectonic-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**Target Details**

|                        |                                                                                                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>      | TCTN2                                                                                                                                                                  |
| <b>Reactivity:</b>     | Human, Mouse                                                                                                                                                           |
| <b>Immunogen Type:</b> | Conjugated Peptide                                                                                                                                                     |
| <b>Immunogen:</b>      | Anti-TCTN2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the C-terminus of human TCTN2. |

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| <b>Purity/Specificity:</b> | Anti-TCTN2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with TCTN2 from other sources has not been determined. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q96GX1</a></li><li>• <a href="#">GeneID - 79867</a></li><li>• <a href="#">NCBI - NP_001137322.1</a></li></ul>   |

## Application Details

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| <b>Tested Applications:</b> | ELISA, WB                                                                                                                                                                                                                                       |
| <b>Application Note:</b>    | Anti-TCTN2 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 77 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>               | 1:10,000                                                                                                                                                                                                                                        |
| <b>WB:</b>                  | 1 µg/mL                                                                                                                                                                                                                                         |

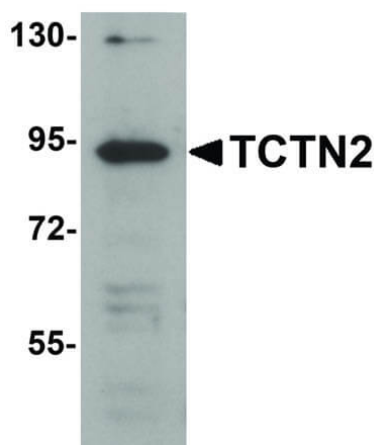
## Formulation

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <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

|                            |                                                                                                                                                                                                                                                                                                                                               |
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| <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 of TCTN2 antibody. Lane 1: SK-N-SH cell lysate with TCTN2 antibody at 1 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 77 kDa, 93 kDa for TCTN2. Other band(s): TCTN2 splice variants and isoforms.

## Disclaimer

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