

**Datasheet for 600-401-FR2****TSC22D3 Antibody****Overview**

|                      |                                              |
|----------------------|----------------------------------------------|
| <b>Description:</b>  | Anti-TSC22D3 (RABBIT) Antibody - 600-401-FR2 |
| <b>Item No.:</b>     | 600-401-FR2                                  |
| <b>Size:</b>         | 100 µg                                       |
| <b>Applications:</b> | ELISA, IF, IHC, WB                           |
| <b>Reactivity:</b>   | Human, Mouse                                 |
| <b>Host Species:</b> | Rabbit                                       |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | The TSC22 domain family member 3 protein (TSC22D3) is a leucine zipper protein that functions as a transcriptional regulator. The expression of TSC22D3 is stimulated by glucocorticoids and IL-10 and is thought to play a key role in the anti-inflammatory and immunosuppressive effects of these molecules. TSC22D3 can physically interact with and inhibit the activities of key inflammatory signaling mediators such NF-κB and AP-1. TSC22D3 functions as a transcriptional co-activator for various nuclear receptors and NF-κB. It has also been shown to be involved in the differentiation of mesenchymal stem cells towards osteoblasts and bone formation. |
| <b>Synonyms:</b>     | TSC22D3 Antibody, DIP, GILZ, hDIP, DSIPI, TSC-22R, TSC22 domain family protein 3, DSIP-immunoreactive peptide, Protein DIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

**Target Details**

|                        |                                                                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>      | TSC22D3                                                                                                                                                           |
| <b>Reactivity:</b>     | Human, Mouse                                                                                                                                                      |
| <b>Immunogen Type:</b> | Conjugated Peptide                                                                                                                                                |
| <b>Immunogen:</b>      | Anti- TSC22D3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the N-terminus of human TSC22D3. |

|                            |                                                                                                                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity/Specificity:</b> | Anti-TSC22D3 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with TSC22D3 from other sources has not been determined. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q99576</a></li><li>• <a href="#">GeneID - 1831</a></li><li>• <a href="#">NCBI - NP_001015881.1</a></li></ul>        |

## Application Details

|                             |                                                                                                                                                                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | ELISA, IF, IHC, WB                                                                                                                                                                                                                                                                          |
| <b>Application Note:</b>    | Anti-TSC22D3 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 15 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 - 1:20,000                                                                                                                                                                                                                                                                         |
| <b>IF:</b>                  | User Optimized                                                                                                                                                                                                                                                                              |
| <b>IHC:</b>                 | User Optimized                                                                                                                                                                                                                                                                              |
| <b>WB:</b>                  | 1-2 µg/mL                                                                                                                                                                                                                                                                                   |

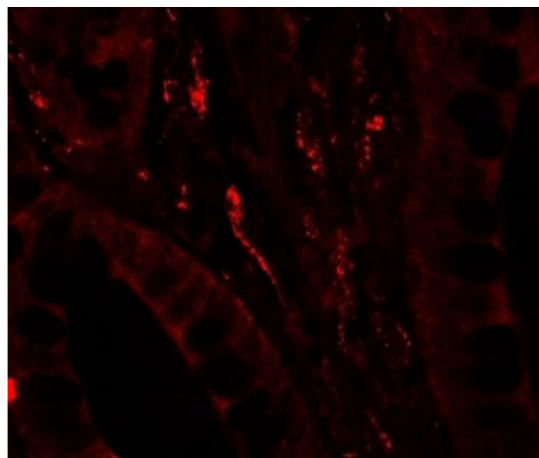
## Formulation

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <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> | Wet Ice                                                                                                        |
| <b>Storage Condition:</b>  | Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                          |

## Images

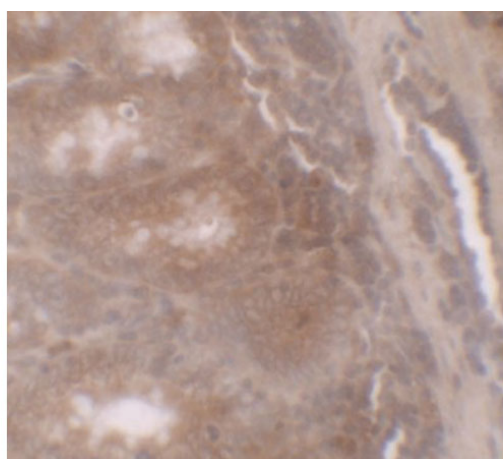


### Immunofluorescence Microscopy

Immunofluorescence of TSC22D3.

Tissue: human small intestine tissue.

Primary Antibody: TSC22D3 antibody at 20  $\mu\text{g/ml}$ .

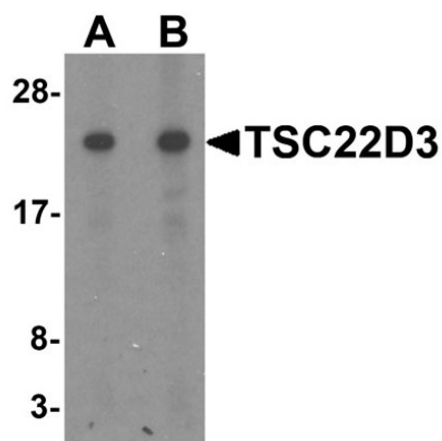


### Immunohistochemistry

Immunohistochemistry of TSC22D3.

Tissue: human small intestine tissue.

Primary Antibody: TSC22D3 antibody at 5  $\mu\text{g/ml}$ .



### Western Blot

Western blot analysis of TSC22D3.

Load: human small intestine tissue lysate.

Primary Antibody: TSC22D3 antibody at (A) 1 and (B) 2  $\mu\text{g/mL}$ .

## Disclaimer

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