

## TSC22D3 Antibody (Center)

Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP16682c-400 □

### Specification

#### TSC22D3 Antibody (Center) - Product info

Application	IHC-P-Leica, WB
Primary Accession	<a href="#">Q99576</a>
Other Accession	<a href="#">Q9EQZ1</a> , <a href="#">P80220</a> , <a href="#">NP_004080.2</a> , <a href="#">NP_001015881.1</a>
Reactivity	Human, Mouse
Predicted	Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Clone Names	RB35282

#### TSC22D3 Antibody (Center) - Additional info

Gene ID 1831

#### Other Names

TSC22 domain family protein 3, DSIP-immunoreactive peptide, Protein DIP, hDIP, Delta sleep-inducing peptide immunoreactor, Glucocorticoid-induced leucine zipper protein, GILZ, TSC-22-like protein, TSC-22-related protein, TSC-22R, TSC22D3, DSIPI, GILZ

#### Target/Specificity

This TSC22D3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 62-91 amino acids from the Central region of human TSC22D3.

#### Dilution

IHC-P-Leica~~1:500  
WB~~1:2000

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

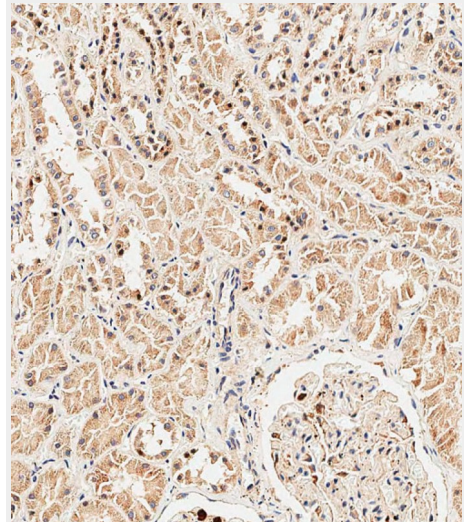
#### Precautions

TSC22D3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

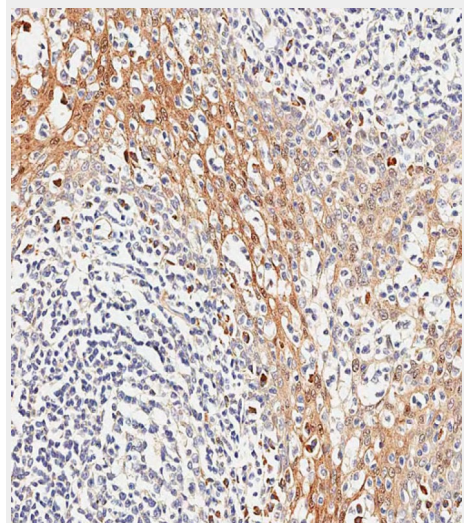
#### TSC22D3 Antibody (Center) - Protein Information

Name TSC22D3

Synonyms DSIPI, GILZ



Immunohistochemical analysis of paraffin-embedded Human kidney tissue using AP16682c performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Immunohistochemical analysis of paraffin-embedded Human tonsil tissue using AP16682c performed on the Leica®

### Function

Protects T-cells from IL2 deprivation-induced apoptosis through the inhibition of FOXO3A transcriptional activity that leads to the down-regulation of the pro-apoptotic factor BCL2L11. In macrophages, plays a role in the anti-inflammatory and immunosuppressive effects of glucocorticoids and IL10. In T-cells, inhibits anti-CD3-induced NFkB1 nuclear translocation. In vitro, suppresses AP1 and NFkB1 DNA-binding activities (By similarity). Isoform 1 inhibits myogenic differentiation and mediates anti- myogenic effects of glucocorticoids by binding and regulating MYOD1 and HDAC1 transcriptional activity resulting in reduced expression of MYOG (By similarity).

### Cellular Location

Isoform 1: Cytoplasm. Nucleus. Note=Localization depends on differentiation status of myoblasts. In undifferentiated myoblasts, isoform 1 localizes to the cytoplasm, but in differentiating myoblasts, isoform 1 is localized to the nucleus (By similarity).

### Tissue Location

Expressed in brain, lung, spleen and skeletal muscle. Lower levels detected in heart and kidney. Not detected in the pancreas. In non-lymphoid tissues, in the absence of inflammation, the major source of constitutive expression is the macrophage lineage. Also expressed in cells from different hemopoietic cell lineages, including bone marrow cells, CD34+ stem cells, mature B- and T-cells, monocytes and granulocytes. Down- regulated in activated macrophages from inflammatory lesions of delayed-type hypersensitivity (DTH) reactions, such as in tuberculosis and in Crohn disease, whereas in Burkitt lymphoma, persists in macrophages involved in the phagocytosis of apoptotic malignant cells.

### TSC22D3 Antibody (Center) - 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](#)

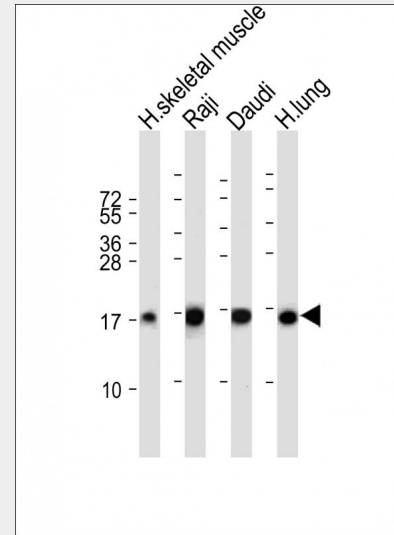
### TSC22D3 Antibody (Center) - Background

The protein encoded by this gene shares significant sequence identity with the murine TSC-22 and Drosophila shs, both of which are leucine zipper proteins, that function as transcriptional regulators. The expression of this gene is stimulated by glucocorticoids and interleukin 10, and it appears to play a key role in the anti-inflammatory and immunosuppressive effects of this steroid and chemokine. Transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq].

### TSC22D3 Antibody (Center) - References

Latre de Late, P., et al. J. Biol. Chem. 285(8):5594-5605(2010)  
Lekva, T., et al. J. Clin. Endocrinol. Metab. 95(1):246-255(2010)  
Soundararajan, R., et al. Proc. Natl. Acad. Sci. U.S.A. 106(19):7804-7809(2009)  
Zhang, X.H., et al. Clin. Exp. Allergy 39(5):647-654(2009)  
Redjimi, N., et al. Mol. Cancer 8, 83 (2009) :

BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



All lanes : Anti-TSC22D3 Antibody (Center) at 1:2000 dilution Lane 1: Human skeletal muscle tissue lysate Lane 2: Raji whole cell lysate Lane 3: Daudi whole cell lysate Lane 4: Human lung tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 15 kDa Blocking/Dilution buffer: 5% NFDm/TBST.