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TSC22D3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16682c

Specification

TSC22D3 Antibody (Center) - Product Information

Application	WB, IHC-P-Leica,E
Primary Accession	O99576
Other Accession	Q9EQZ1, P80220, NP_004080.2, NP_001015881.1
Reactivity	Human, Mouse
Predicted	Pig, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Antigen Region	62-91

TSC22D3 Antibody (Center) - Additional Information

Gene ID 1831

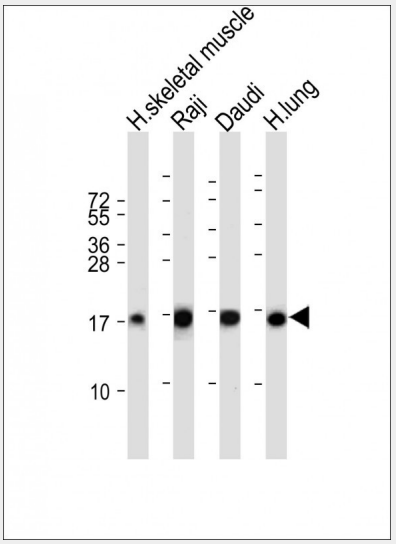
Other Names
TSC22 domain family protein 3, DSIP-immunoreactive peptide, Protein DIP, hDIP, Delta sleep-inducing peptide immunoreactor, Glucocorticoid-induced leucine zipper protein, GILZ, TSC-22-like protein, TSC-22-related protein, TSC-22R, TSC22D3, DSIPI, GILZ

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.

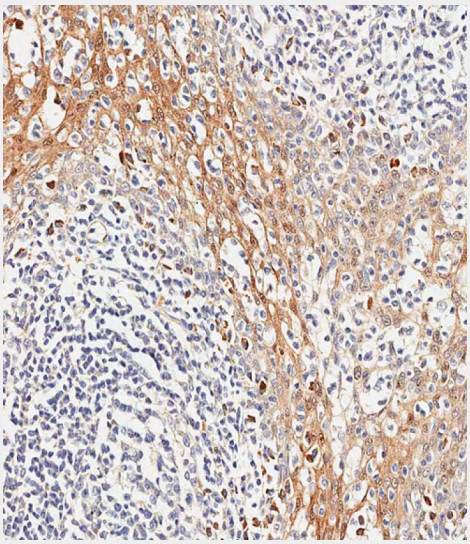
Dilution
WB~~1:2000
IHC-P-Leica~~1:500

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



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.



Immunohistochemical analysis of paraffin-embedded Human tonsil tissue using

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

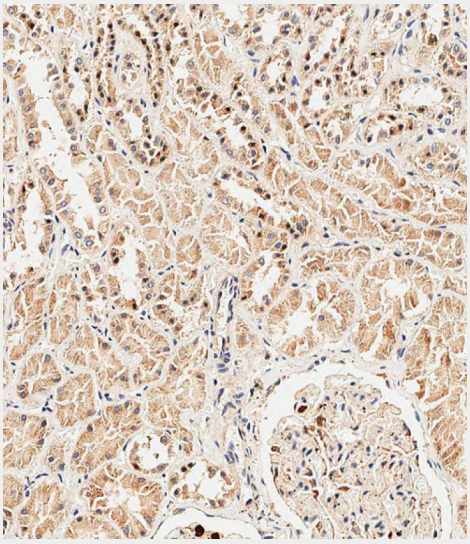
Synonyms DSIPI, GILZ

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

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 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.

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

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 Cytomety
- Cell Culture

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)
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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) :