

**TSC22D1 Antibody (C-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21981b****Specification**

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**TSC22D1 Antibody (C-Term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q15714</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	109677

**TSC22D1 Antibody (C-Term) - Additional Information****Gene ID** 8848**Other Names**

TSC22 domain family protein 1, Cerebral protein 2, Regulatory protein TSC-22, TGFB-stimulated clone 22 homolog, Transforming growth factor beta-1-induced transcript 4 protein, TSC22D1, KIAA1994, TGFB1I4, TSC22

**Target/Specificity**

This TSC22D1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 888-920 amino acids from human TSC22D1.

**Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

**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**

TSC22D1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TSC22D1 Antibody (C-Term) - Protein Information****Name** TSC22D1 ([HGNC:16826](#))**Function** Transcriptional repressor (PubMed:[10488076](#)). Acts on the C- type natriuretic peptide

(CNP) promoter (PubMed:[9022669](#)). Acts to promote CASP3-mediated apoptosis (PubMed:[18325344](#)). Positively regulates TGF-beta signaling by interacting with SMAD7 which inhibits binding of SMAD7 to TGFBR1, preventing recruitment of SMURF ubiquitin ligases to TGFBR1 and inhibiting SMURF-mediated ubiquitination and degradation of TGFBR1 (PubMed:[21791611](#)). Contributes to enhancement of TGF-beta signaling by binding to and modulating the transcription activator activity of SMAD4 (PubMed:[15881652](#)). Promotes TGF-beta-induced transcription of COL1A2; via its interaction with TFE3 at E- boxes in the gene proximal promoter (By similarity). Plays a role in the repression of hematopoietic precursor cell growth (By similarity). Promotes IL2 deprivation-induced apoptosis in T-lymphocytes, via repression of TSC22D3/GILZ transcription and activation of the caspase cascade (PubMed:[26752201](#)).

#### Cellular Location

Cytoplasm. Nucleus {ECO:0000250|UniProtKB:P62500}. Cell membrane; Peripheral membrane protein [Isoform 2]: Cytoplasm. Nucleus Mitochondrion

#### Tissue Location

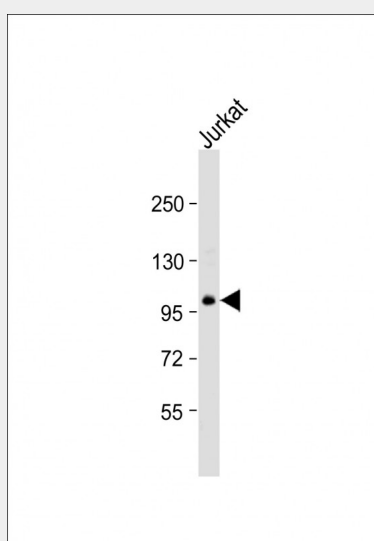
Ubiquitously expressed in adult tissues (PubMed:26752201, PubMed:8651929). Expressed in the postmitotic epithelial compartment at the top of intestinal mucosal villi (PubMed:12468551).

### TSC22D1 Antibody (C-Term) - 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](#)

### TSC22D1 Antibody (C-Term) - Images



Anti-TSC22D1 Antibody (C-Term) at 1:2000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 110 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

**TSC22D1 Antibody (C-Term) - Background**

Transcriptional repressor. Acts on the C-type natriuretic peptide (CNP) promoter.

**TSC22D1 Antibody (C-Term) - References**

Jay P.,et al.Biochem. Biophys. Res. Commun. 222:821-826(1996).

Ohta S.,et al.Eur. J. Biochem. 242:460-466(1996).

Dmitrenko V.V.,et al.Cyt. Genet. 30:41-47(1996).

Yazaki M.,et al.Submitted (AUG-1996) to the EMBL/GenBank/DDBJ databases.

Kawamata H.,et al.Submitted (APR-2000) to the EMBL/GenBank/DDBJ databases.