

# TSC22D1 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21981b

## Product Information

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Application	WB, E
Primary Accession	<a href="#">Q15714</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB54639
Calculated MW	109677

## Additional Information

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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.

## Protein Information

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Name	TSC22D1 ( <a href="#">HGNC:16826</a> )
Function	Transcriptional repressor (PubMed: <a href="#">10488076</a> ). Acts on the C- type natriuretic peptide (CNP) promoter (PubMed: <a href="#">9022669</a> ). Acts to promote CASP3-mediated apoptosis (PubMed: <a href="#">18325344</a> ). 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).

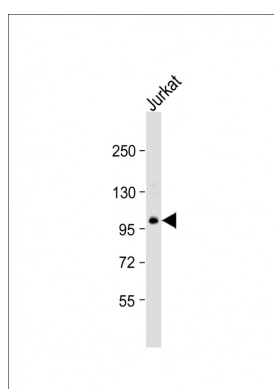
## Background

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

## 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.

## 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% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.