10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TSC22D1 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21981b

Specification

TSC22D1 Antibody (C-Term) - Product Information

Application	**WB,E**
Primary Accession	Q15714
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

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

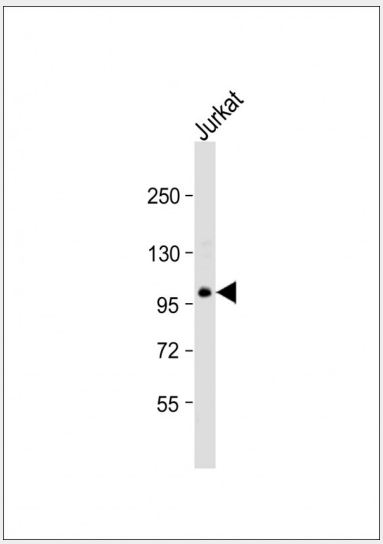
Tissue Location
Ubiquitously expressed in adult tissues (PubMed:8651929, PubMed:26752201). Expressed in the postmitotic epithelial compartment at the top of intestinal mucosal villi (PubMed:12468551).

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 Cytomety
- 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% NFDM/TBST.

TSC22D1 Antibody (C-Term) - Background

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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.