

TSC22D1 / TSC22 Antibody (aa71-120)
Rabbit Polyclonal Antibody
Catalog # ALS15449**Specification**

TSC22D1 / TSC22 Antibody (aa71-120) - Product Information

Application	WB, IHC-P, IF, E
Primary Accession	Q15714
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	110kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A

TSC22D1 / TSC22 Antibody (aa71-120) - 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

TSC22D1 Antibody detects endogenous levels of total TSC22D1 protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

TSC22D1 / TSC22 Antibody (aa71-120) is for research use only and not for use in diagnostic or therapeutic procedures.

TSC22D1 / TSC22 Antibody (aa71-120) - 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).

Volume

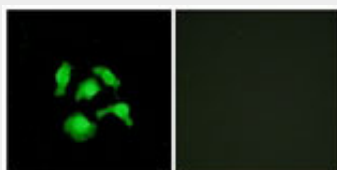
50 µl

TSC22D1 / TSC22 Antibody (aa71-120) - 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 / TSC22 Antibody (aa71-120) - Images



Immunofluorescence of HepG2 cells, using TSC22D1 Antibody.

TSC22D1 / TSC22 Antibody (aa71-120) - Background

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

TSC22D1 / TSC22 Antibody (aa71-120) - 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.