

Anti-TSC22D1 / TSC22 Antibody (aa24-73)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18060**Specification**

Anti-TSC22D1 / TSC22 Antibody (aa24-73) - Product Information

Application	WB, IHC-P, E
Primary Accession	Q15714
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	109677

Anti-TSC22D1 / TSC22 Antibody (aa24-73) - Additional Information**Gene ID** 8848**Alias Symbol** **TSC22D1****Other Names**

TSC22D1, Cerebral protein 2, Ptg-2, Regulatory protein TSC-22, TSC22 domain family protein 1, TGFB1I4, TSC22, TSC22 domain family, member 1, KIAA1994, TGFbeta-stimulated clone 22

Target/Specificity

TSC22D1 antibody detects endogenous levels of TSC22D1.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-TSC22D1 / TSC22 Antibody (aa24-73) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-TSC22D1 / TSC22 Antibody (aa24-73) - Protein Information**Name** TSC22D1 ([HGNC:16826](#))**Function**

Transcriptional repressor (PubMed: [10488076](http://www.uniprot.org/citations/10488076)). Acts on the C- type natriuretic peptide (CNP) promoter (PubMed: [9022669](http://www.uniprot.org/citations/9022669)). Acts to promote CASP3-mediated apoptosis (PubMed: [18325344](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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).

Anti-TSC22D1 / TSC22 Antibody (aa24-73) - 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](#)

Anti-TSC22D1 / TSC22 Antibody (aa24-73) - Images