

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

Rabbit Anti Human Polyclonal Antibody  
Catalog # ALS18060

## Product Information

---

<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q15714</a>
<b>Predicted</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Calculated MW</b>	109677

## Additional Information

---

<b>Gene ID</b>	8848
<b>Alias Symbol</b> <b>Other Names</b>	TSC22D1 TSC22D1, Cerebral protein 2, Ptg-2, Regulatory protein TSC-22, TSC22 domain family protein 1, TGFB114, TSC22, TSC22 domain family, member 1, KIAA1994, TGFbeta-stimulated clone 22
<b>Target/Specificity</b>	TSC22D1 antibody detects endogenous levels of TSC22D1.
<b>Reconstitution &amp; Storage</b>	Immunoaffinity purified
<b>Precautions</b>	Anti-TSC22D1 / TSC22 Antibody (aa24-73) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	TSC22D1 ( <a href="#">HGNC:16826</a> )
<b>Function</b>	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: <a href="#">21791611</a> ). Contributes to enhancement of TGF-beta signaling by binding to and modulating the transcription activator activity of SMAD4 (PubMed: <a href="#">15881652</a> ). 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).

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