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Anti-TSC22D1 / TSC22 Antibody (aa24-73)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18060

Product Information

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

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.

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).

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