

TSC22D1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI10142**Specification**

TSC22D1 antibody - middle region - Product Information

| | |
|-------------------|--|
| Application | WB |
| Primary Accession | Q15714 |
| Other Accession | Q15714 , NP_904358 , NM_183422 |
| Reactivity | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine |
| Predicted Host | Human, Mouse, Rat, Rabbit, Zebrafish, Pig |
| Clonality | Rabbit |
| Calculated MW | Polyclonal 110 kDa KDa |

TSC22D1 antibody - middle region - Additional Information**Gene ID 8848**

Alias Symbol **DKFZp686O19206, MGC17597, RP11-269C23.2, TGFB1I4, TSC22, Ptg-2**

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 belongs to the TSC-22/Dip/Bun family. It is a transcriptional repressor. TSC22D1 acts on the C-type natriuretic peptide (CNP) promoter. TSC22D1 encodes a transcription factor and belongs to the large family of early response genes.[supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-1486 AB082525.1 1-1486 1487-2154 AK091854.1 1178-1845 2155-3858 AB082525.1 2155-3858 3859-4814 AB082525.1 3860-4815 4815-4837 CB138090.1 176-198

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-TSC22D1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

TSC22D1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

TSC22D1 antibody - middle region - 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

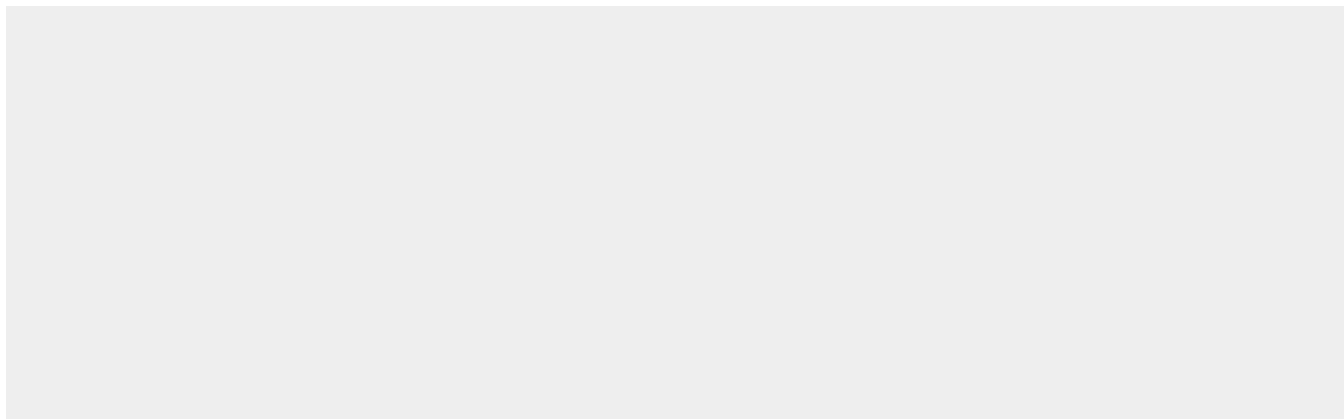
Ubiquitously expressed in adult tissues (PubMed:26752201, PubMed:8651929). Expressed in the postmitotic epithelial compartment at the top of intestinal mucosal villi (PubMed:12468551).

TSC22D1 antibody - middle region - 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 antibody - middle region - Images





TSC22D1 antibody - middle region (AI10142) in Human MCF-7 cells using Western Blot

WB Suggested Anti-TSC22D1 Antibody Titration: 0.2-1 μ g/ml

ELISA Titer: 1:12500

Positive Control: MCF7 cell lysate

TSC22D1 is supported by BioGPS gene expression data to be expressed in MCF7

TSC22D1 antibody - middle region - Background

This is a rabbit polyclonal antibody against TSC22D1. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).