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TSC22D1 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10142

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	Human, Mouse, Rat, Rabbit, Zebrafish, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	109677

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.

Protein Information

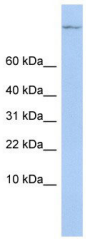
Name	TSC22D1 (HGNC:16826)

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).

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).

Images



TSC22D1 antibody - middle region (AI10142) in Human MCF-7 cells using Western Blot
WB Suggested Anti-TSC22D1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:12500
Positive Control: MCF7 cell lysate
TSC22D1 is supported by BioGPS gene expression data to be expressed in MCF7

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