

For Research Use Only

# TSC22D1 Polyclonal antibody

Catalog Number: 10214-1-Ig

Featured Product

9 Publications



## Basic Information

<b>Catalog Number:</b> 10214-1-Ig	<b>GenBank Accession Number:</b> BC000456	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 1000 µg/ml by Nanodrop and 600 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8848	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> TSC22 domain family, member 1	<b>IHC 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 16 kDa	<b>IF 1:50-1:500</b>
<b>Immunogen Catalog Number:</b> AG0287	<b>Observed MW:</b> 16 kDa	

## Applications

**Tested Applications:**  
IF, IHC, IP, WB, ELISA

**Cited Applications:**  
IF, IHC, IP, WB

**Species Specificity:**  
human, rat

**Cited Species:**  
human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** human brain tissue, A549 cells, rat brain tissue

**IP:** rat brain tissue,

**IHC:** human brain tissue, human testis tissue

**IF:** A549 cells,

## Background Information

TSC22 domain family 1, transforming growth factor beta 1 induced transcript 4, (TSC22D1, synonyms: TSC22, TGFBI4, MGC17597) is a member of a family of leucine zipper containing transcription factors with repressor activity and belongs to the large family of early response genes. TSC-22 regulates cell growth and differentiation, and cell death. Leucine zipper structure of TSC22 inhibits the anchorage independent growth of cancer cells. TSC-22 is also an important downstream component of peroxisome proliferator-activated receptor (PPAR) and TGF-beta signaling during intestinal epithelial cell differentiation. This antibody is a rabbit polyclonal antibody raised against an internal region of human TSC22D1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ryouta Kamimura	34681573	Int J Mol Sci	WB,IF
Zhi Zheng	35513372	Cell Death Discov	WB
Yong Zhou	29481799	Biochem Biophys Res Commun	WB,IHC

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

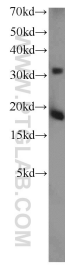
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

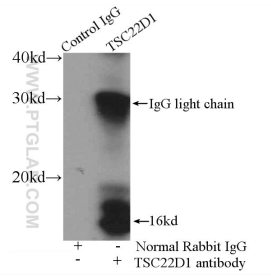
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

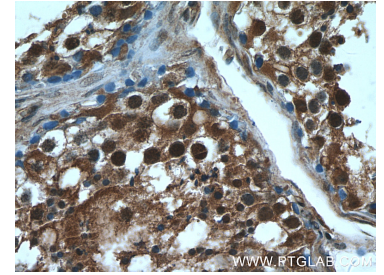
## Selected Validation Data



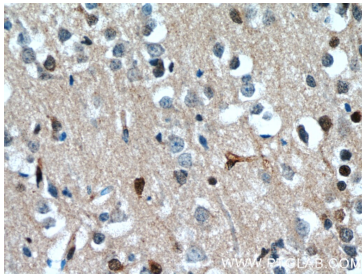
human brain tissue were subjected to SDS PAGE followed by western blot with 10214-1-Ig (TSC22D1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



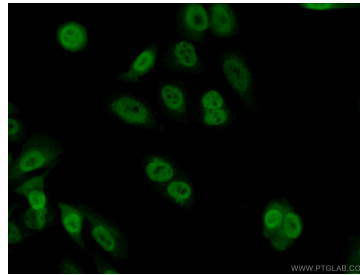
IP Result of anti-TSC22D1 (IP:10214-1-Ig, 4ug; Detection:10214-1-Ig 1:500) with rat brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 10214-1-Ig (TSC22D1 Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 10214-1-Ig (TSC22D1 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA ) fixed A549 cells using 10214-1-Ig(TSC22D1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).