

For Research Use Only

TSC22D1 Polyclonal antibody

Catalog Number: 10214-1-Ig

Featured Product

9 Publications



Basic Information

Catalog Number:

10214-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 600 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0287

GenBank Accession Number:

BC000456

GeneID (NCBI):

8848

UNIPROT ID:

Q15714

Full Name:

TSC22 domain family, member 1

Calculated MW:

16 kDa

Observed MW:

16 kDa

Purification Method:

Protein A purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

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/ICC : A549 cells,

Background Information

TSC22 domain family 1, transforming growth factor beta 1 induced transcript 4, (TSC22D1, synonyms: TSC22, TGFB1L4, 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

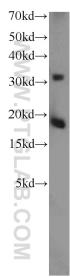
For technical support and original validation data for this product please contact:

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

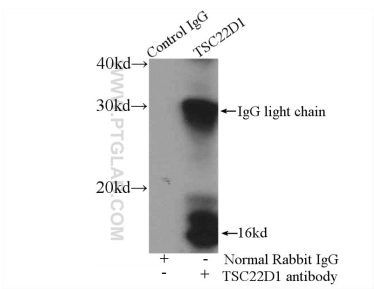
E: proteintech@ptglab.com
W: ptglab.com

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

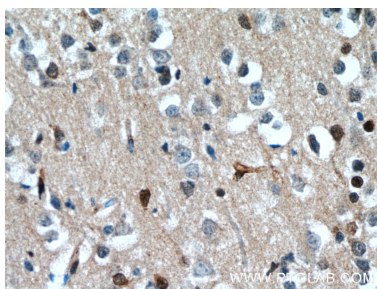
Selected Validation Data



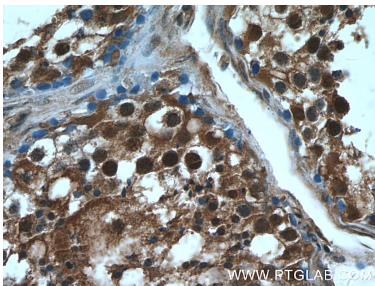
human brain tissue were subjected to SDS PAGE followed by western blot with 10214-1-Ig (TSC22D1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



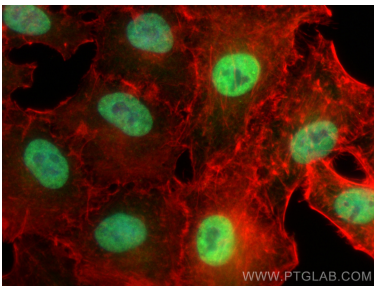
IP result of anti-TSC22D1 (IP:10214-1-Ig, 4ug; Detection:10214-1-Ig 1:500) with rat brain tissue lysate 4000ug.



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



Immunohistochemical analysis of paraffin-embedded human testis 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 TSC22D1 antibody (10214-1-Ig) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).