

For Research Use Only

Tuberin/TSC2 Monoclonal antibody

Catalog Number: 68380-1-Ig



Basic Information

Catalog Number: 68380-1-Ig	GenBank Accession Number: BC150300	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7249	CloneNo.: 1A10B2
Source: Mouse	Full Name: tuberous sclerosis 2	Recommended Dilutions: WB 1:2000-1:10000 IF 1:400-1:1600
Isotype: IgG1	Calculated MW: 1807 aa, 201 kDa	
	Observed MW: 200 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Species Specificity: Human, Mouse, rat	WB: A549 cells, HSC-T6 cells, MCF-7 cells, PC-3 cells, NIH/3T3 cells, U2OS cells, LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells
	IF: HEK-293 cells,

Background Information

TSC2, also named Tuberin, plays an essential role in the cellular energy response pathway. TSC2 forms a physical and functional complex with TSC1 that can inhibit the nutrient-mediated or growth factor-stimulated phosphorylation of S6K1 and EIF4EBP1 by negatively regulating mTORC1 signaling.

Storage

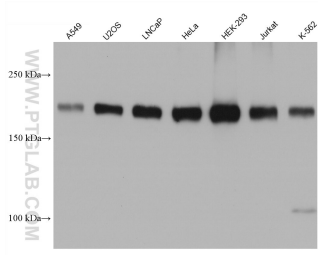
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

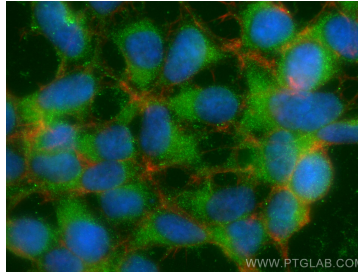
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

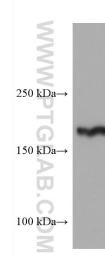
Selected Validation Data



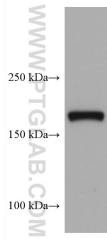
Various lysates were subjected to SDS PAGE followed by western blot with 68380-1-Ig (TSC2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



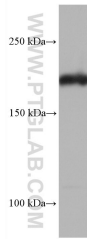
Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using TSC2 antibody (68380-1-Ig, Clone: 1A10B2) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



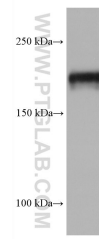
MCF-7 cells were subjected to SDS PAGE followed by western blot with 68380-1-Ig (TSC2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



PC-3 cells were subjected to SDS PAGE followed by western blot with 68380-1-Ig (TSC2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 68380-1-Ig (TSC2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



HSC-T6 cells were subjected to SDS PAGE followed by western blot with 68380-1-Ig (TSC2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.