

For Research Use Only

Phospho-TSC2 (Thr1462) Recombinant antibody



Catalog Number: 80698-1-RR

Basic Information

Catalog Number: 80698-1-RR	GenBank Accession Number: BC150300	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7249	CloneNo.: 1L20
Source: Rabbit	Full Name: tuberous sclerosis 2	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Calculated MW: 1807 aa, 201 kDa	
	Observed MW: 200 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Calyculin A treated HEK-293 cells,
Species Specificity: Human	

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. It has been reported that TSC2 can be phosphorylated at Thr1462 by Akt/PKB involved in stimulating cell growth and is activated by insulin. (PMID: 14651849, 12172553)

Storage

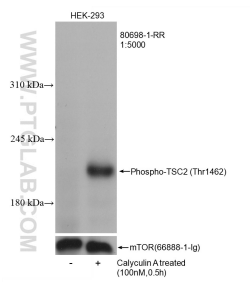
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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

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Selected Validation Data



Non-treated and Calyculin A treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 80698-1-RR (Phospho-TSC2 (Thr1462) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with mTOR antibody (66888-1-Ig) as the loading control.