

For Research Use Only

Phospho-TSC2 (Thr1462) Polyclonal antibody

Catalog Number: 29000-1-AP

1 Publications



Basic Information

Catalog Number:

29000-1-AP

Size:

100ul, Concentration: 300 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC150300

GeneID (NCBI):

7249

UNIPROT ID:

P49815

Full Name:

tuberous sclerosis 2

Calculated MW:

1807 aa, 201 kDa

Observed MW:

200 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

Human, Mouse

Cited Species:

human

Positive Controls:

WB : PDGF treated PC-3 cells, PDGF treated NIH/3T3 cells

Background Information

TSC2, also named as 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)

Notable Publications

Author	Pubmed ID	Journal	Application
Yue Zhao	38384328	Research (Wash D C)	WB

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide, 50% glycerol pH 7.3 and 0.05% BSA

Aliquoting is unnecessary for -20°C storage

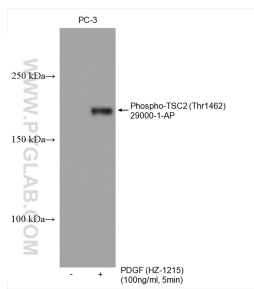
For technical support and original validation data for this product please contact:

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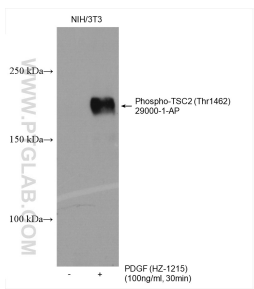
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Non-treated PC-3 and PDGF (HZ-1215) treated PC-3 cells were subjected to SDS PAGE followed by western blot with 29000-1-AP (Phospho-TSC2 (Thr1462) antibody) at dilution of 1:1000 incubated at 37°C for 1 hour.



Non-treated NIH/3T3 and PDGF (HZ-1215) treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 29000-1-AP (Phospho-TSC2 (Thr1462) antibody) at dilution of 1:1000 incubated at 37°C for 1 hour.