

For Research Use Only

Phospho-TBC1D1 (Ser660) Recombinant antibody



Catalog Number: 81363-2-RR

Basic Information

Catalog Number: 81363-2-RR	GenBank Accession Number: BC050321	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 23216	CloneNo.: 7N19
Source: Rabbit	Full Name: TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Calculated MW: 133 kDa	
	Observed MW: 160 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, mouse

Positive Controls:

WB : Calyculin A treated NIH/3T3 cells, Calyculin A treated HeLa cells

Background Information

TBC1D1 belong to the family of RabGAPs and its physiological roles in glucose homeostasis and its implication in human diseases have already been characterized in skeletal muscle and adipocytes in a large number of independent studies. TBC1D1 including twophospho-tyrosine-binding (PTB) domains, a calmodulin-binding domain(CBD) and the functional GAP domain responsible for catalyzing GTP hydrolysis. TBC1D1 is phosphorylated by AMPK at Ser660 and Thr237, and by AKT at Thr596. The RabGAPs TBC1D1 is important regulators of glucose homeostasis inskeletal muscle and adipose tissue. (PMID: 31627187, PMID: 18477703)

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

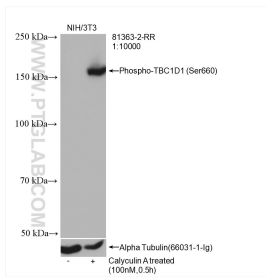
For technical support and original validation data for this product please contact:

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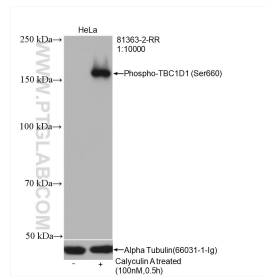
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Selected Validation Data



Non-treated and Calyculin A treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 81363-2-RR (Phospho-TBC1D1 (Ser660) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin antibody as loading control.



Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 81363-2-RR (Phospho-TBC1D1 (Ser660) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin antibody as loading control.