

For Research Use Only

# Phospho-TBC1D1 (Ser660) Recombinant antibody, PBS Only

Catalog Number: 81363-2-PBS



## Basic Information

### Catalog Number:

81363-2-PBS

### Size:

100ug, Concentration: 1mg/ml by  
Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

BC050321

### GeneID (NCBI):

23216

### UNIPROT ID:

Q86TI0

### Full Name:

TBC1 (tre-2/USP6, BUB2, cdc16)  
domain family, member 1

### Calculated MW:

133 kDa

### Observed MW:

160 kDa

### Purification Method:

Protein A purification

### CloneNo.:

7N19

## Applications

### Tested Applications:

Indirect ELISA, WB

### Species Specificity:

mouse, human

## 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 in skeletal muscle and adipose tissue. (PMID: 31627187, PMID: 18477703)

## Storage

### Storage:

Store at -80°C.

### Storage Buffer:

PBS Only

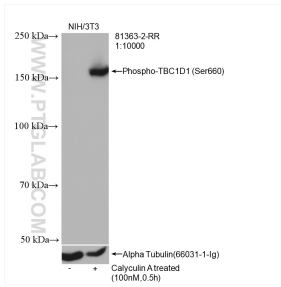
For technical support and original validation data for this product please contact:

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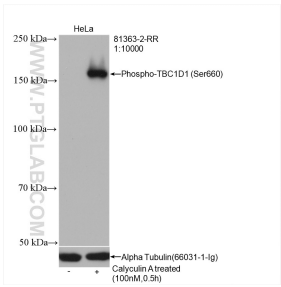
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## Selected Validation Data



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. This data was developed using the same antibody clone with 81363-2-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 81363-2-PBS in a different storage buffer formulation.