

For Research Use Only

# Phospho-TBC1D1 (Ser237) Recombinant monoclonal antibody

Catalog Number: 85241-1-RR



## Basic Information

Catalog Number:

85241-1-RR

Size:

100ul, Concentration: 1000 ug/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.:

242276A10

Recommended Dilutions:

WB: 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB: NIH/3T3 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 in skeletal 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, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

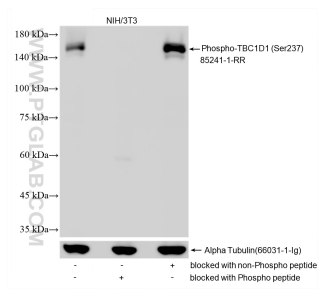
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# Selected Validation Data



NIH/3T3 cell lysates were subjected to SDS PAGE followed by western blot with 85241-1-RR (Phospho-TBC1D1 (Ser237) antibody) blocked with BSA only, Phospho-TBC1D1 (Ser237) peptide or non-Phospho peptide at dilution of 1:5000 incubated at room temperature for 1.5 hours.