

For Research Use Only

Phospho-TBC1D1 (Ser237) Recombinant monoclonal antibody, PBS Only

Catalog Number: 85241-1-PBS



Basic Information

Catalog Number: 85241-1-PBS	GenBank Accession Number: BC050321	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 23216	CloneNo.: 242276A10
Source: Rabbit	UNIPROT ID: Q86TI0	
Isotype: IgG	Full Name: TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1	
	Calculated MW: 133 kDa	
	Observed MW: 160 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

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

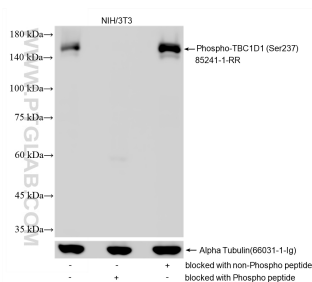
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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



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. This data was developed using the same antibody clone with 85241-1-PBS in a different storage buffer formulation.