

For Research Use Only

Phospho-TBC1D1 (Ser660) Polyclonal antibody

Catalog Number: 29034-1-AP



Basic Information

Catalog Number: 29034-1-AP	GenBank Accession Number: BC050321	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 300 ug/ml by Nanodrop;	GeneID (NCBI): 23216	Recommended Dilutions: WB 1:5000-1:50000
Source: Rabbit	UNIPROT ID: Q86T10	
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, ELISA	Positive Controls: WB : Calyculin A treated HeLa cells,
Species Specificity: 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)

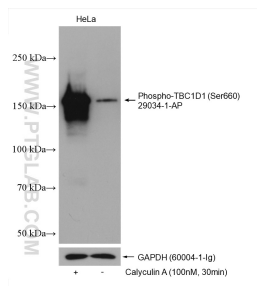
Storage

Storage:
Store at -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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Selected Validation Data



Non-treated HeLa and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 29034-1-AP (Phospho-TBC1D1 (Ser660) antibody) at dilution of 1:10000 incubated at room temperature for 1 hours.