

For Research Use Only



Phospho-TBC1D1 (Ser707) Polyclonal antibody

Catalog Number: 29068-1-AP

Basic Information

Catalog Number:

29068-1-AP

Size:

240 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC050321

GeneID (NCBI):

23216

UNIPROT ID:

Q86T10

Full Name:

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

Calculated MW:

133 kDa

Observed MW:

150-160 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : Calyculin A treated HEK-293T 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

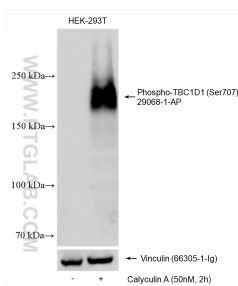
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Selected Validation Data



Non-treated and Calyculin A treated HEK-293T cells were subjected to SDS PAGE followed by western blot with 29068-1-AP (Phospho-TBC1D1 (Ser707) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Vinculin antibody as the loading control.