

# Phospho-TBC1D1 (Ser660) Polyclonal antibody

Catalog Number: 29034-1-AP

## Basic Information

**Catalog Number:**

29034-1-AP

**Size:**

300 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:**

160 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:5000-1:50000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human

**Positive Controls:**

WB: Calyculin A treated HeLa cells,

## Background Information

TBC1D1 belongs 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 two phospho-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:**

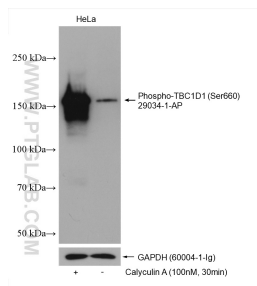
Store at -20°C.

**Storage Buffer:**

PBS with 0.02% sodium azide, 50% glycerol pH 7.3 and 0.05% BSA

Aliquoting is unnecessary for -20°C storage

## 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.