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Datasheet for ABIN6990756  
**anti-TBC1D1 antibody (C-Term)**

### Overview

Quantity:	0.1 mg
Target:	TBC1D1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TBC1D1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	TBC1D1 antibody was raised against a 22 amino acid synthetic peptide from near the carboxy terminus of human TBC1D1. The immunogen is located within the last 50 amino acids of TBC1D1.
Isotype:	IgG
Purification:	TBC1D1 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	TBC1D1
Alternative Name:	TBC1D1 ( <a href="#">TBC1D1 Products</a> )
Background:	TBC1D1 Antibody: TBC1D1 is the founding member of a family of proteins sharing a 180- to 200-amino acid TBC domain and presumed to have a role in regulating cell growth and

## Target Details

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differentiation. These proteins share significant homology with TRE2/USP6, yeast Bub2, and CDC16. TBC1D1 and TBC1D4 (AS160) have been demonstrated to be Rab GAPs (GTPase-activating proteins) that link upstream to Akt and phosphoinositide 3-kinase and downstream to Rabs involved in trafficking of GLUT4 vesicles. TBC1D1 regulates insulin-mediated GLUT4 translocation through its GAP activity, and is a likely Akt substrate. Mutations in the Tbc1d1 gene lead to some cases of severe human obesity.

Molecular Weight: Predicted: 128 kDa

Observed: 140 kDa

Gene ID: 23216

NCBI Accession: [NP\\_055988](#)

UniProt: [Q86T10](#)

## Application Details

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Application Notes: TBC1D1 antibody can be used for detection of TBC1D1 by Western blot at 2 µg/mL.

Antibody validated: Western Blot in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 mg/mL

Buffer: TBC1D1 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: TBC1D1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.