

TBC1D1 Antibody

Lot Number: QB1974002
Product Data Sheet

Tested Species Reactivity	
Human (Hu)	
Tested Applications	Dilution *
Western Blot (WB)	1-4 µg/ml

* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
Catalog Number:	PA5-20389
Size:	100 ug
Class:	Polyclonal
Type:	Antibody
Clone:	
Host / Isotype:	Rabbit /
Immunogen:	a 22 amino acid peptide from near the carboxy terminus of human TBC1D1.

Form Information	
Form:	Liquid
Concentration:	1mg/ml
Purification:	Antigen affinity chromatography
Storage Buffer:	PBS
Preservative:	0.02% sodium azide
Storage Conditions:	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C

Product Specific Information	General Information
A suggested positive control is Daudi cell lysate.	
PA5-20389 can be used with blocking peptide PEP-0506.	
For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.	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 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.

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