

Datasheet

TBC1D1 polyclonal antibody

Catalog Number: PAB12998

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of TBC1D1.

Immunogen: A synthetic peptide corresponding to C-terminus 22 amino acids of human TBC1D1.

Host: Rabbit

Reactivity: Human

Applications: WB-Ce

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Recommend Usage: Western Blot (2-4 ug/mL)

The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.02% sodium azide)

Storage Instruction: Store at 4°C for three months. For long term storage store at -20°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 23216

Gene Symbol: TBC1D1

Gene Alias: KIAA1108, TBC, TBC1

Gene Summary: TBC1D1 is the founding member of a family of proteins sharing a 180- to 200-amino acid TBC domain presumed to have a role in regulating cell growth and differentiation. These proteins share significant homology with TRE2 (USP6; MIM 604334), yeast Bub2, and CDC16 (MIM 603461) (White et al., 2000 [PubMed 10965142]).[supplied by OMIM]

References:

1. Thrifty Tbc1d1 and Tbc1d4 proteins link signalling and membrane trafficking pathways. Koumanov F, Holman GD. Biochem J. 2007 Apr 15;403(2):e9-11.
2. Substrate specificity and effect on GLUT4 translocation of the Rab GTPase-activating protein Tbc1d1. Roach WG, Chavez JA, Miinea CP, Lienhard GE. Biochem J. 2007 Apr 15;403(2):353-8.
3. TBC1D1 is a candidate for a severe obesity gene and evidence for a gene/gene interaction in obesity predisposition. Stone S, Abkevich V, Russell DL, Riley R, Timms K, Tran T, Trem D, Frank D, Jammulapati S, Neff CD, Iliev D, Gress R, He G, Frech GC, Adams TD, Skolnick MH, Lanchbury JS, Gutin A, Hunt SC, Shattuck D. Hum Mol Genet. 2006 Sep 15;15(18):2709-20. Epub 2006 Aug 7.