

TBC1D4(Phospho Thr642) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP08119
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human AS160 around the phosphorylation site of Thr642. AA range:611-660
Mol wt	146563
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ICC, ELISA
Concentration	1 mg/ml
Full name	TBC1 domain family member 4
Synonyms	TBC1 domain family member 4; TBC1D4; AS160; KIAA0603; TBC1 domain family member 4; Akt substrate of 160 kDa; AS160

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene is a member of the Tre-2/BUB2/CDC16 domain family. The protein encoded by this gene is a Rab-GTPase-activating protein| and contains two phosphotyrosine-binding domains (PTB1 and PTB2)| a calmodulin-binding domain (CBD)| a Rab-GTPase domain| and multiple AKT phosphomotifs. This protein is thought to play an important role in glucose homeostasis by regulating the insulin-dependent trafficking of the glucose transporter 4 (GLUT4)| important for removing glucose from the bloodstream into skeletal muscle and fat tissues. Reduced expression of this gene results in an increase in GLUT4 levels at the plasma membrane| suggesting that this protein is important in intracellular retention of GLUT4 under basal conditions. When exposed to insulin| this protein is phosphorylated| dissociates from GLUT4 vesicles| resulting in increased GLUT4 at the cell surface| and enhanced glucose transport. Ph

Recommended Dilution

IHC-p: 1: 100 - 1: 300

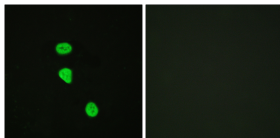
IF: 1: 200 - 1: 1000

ICC: 1: 200 - 1: 1000

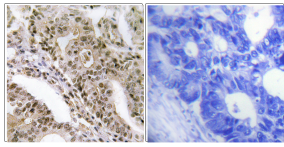
ELISA: 1: 5000

Not yet tested in other applications.

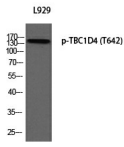
Images



Immunofluorescence analysis of HeLa cells, using AS160 (Phospho-Thr642) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using AS160 (Phospho-Thr642) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of L929 using p-TBC1D4 (T642) antibody. Antibody was diluted at 1:2000

Storage

-20°C for 1 year

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