

AS160 (phospho-Ser318) rabbit pAb

Catalog No: #14072

Package Size: #14072-1 50ul #14072-2 100ul

Description

Product Name	AS160 (phospho-Ser318) rabbit pAb
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Applications	WB
Species Reactivity	Human
Specificity	This antibody detects endogenous levels of Human AS160 (phospho-Ser318)
Immunogen Description	Synthesized phospho peptide around human AS160 (Ser318)
Conjugates	Unconjugated
Other Names	TBC1 domain family member 4 (Akt substrate of 160 kDa) (AS160)
Accession No.	Swiss Prot:O60343GeneID:9882
SDS-PAGE MW	145
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

WB 1:1000-2000

Background

TBC1 domain family member 4(TBC1D4) Homo sapiens 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

Note: This product is for in vitro research use only and is not intended for use in humans or animals.