

AS160(Phospho-Ser318) Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP06039
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized phospho peptide around human AS160 (Ser318)
Mol wt	N/A
Species reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Recommended application	WB
Concentration	1 mg/ml
Full name	AS160
Synonyms	AS160 ;Ser318 ; 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

WB: 1: 1000 - 1: 2000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year

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