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# **Recombinant TBC1D4 Monoclonal Antibody**

catalog number: AN300720L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Reactivity Human; Mouse

Immunogen Recombinant Human TBC1D4 protein

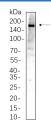
HostRabbitIsotype $IgG,\kappa$ CloneB659PurificationProtein A

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

WB 1:2000-1:10000

#### Data



Western Blot with Recombinant TBC1D4 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: HepG2 whole cell lysate.

Observed-MW:160 kDa Calculated-MW:147 kDa

## Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

### **Background**

This gene is a member of the Tre-2/BUB2/CDC16 domain family. The protein encoded by this gene is a Rab-GTPas e-activating protein, and contains two phopshotyrosine-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.

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