

#### AS160 Rabbit mAb

**Catalog # AP75109** 

# **Specification**

#### AS160 Rabbit mAb - Product Information

Application WB, IP
Primary Accession O60343
Host Rabbit

Clonality Monoclonal Antibody

Calculated MW 146563

## AS160 Rabbit mAb - Additional Information

**Gene ID 9882** 

Other Names TBC1D4

**Dilution** 

WB~~1/500-1/1000

 $IP \sim \sim N/A$ 

# **Format**

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

#### Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## AS160 Rabbit mAb - Protein Information

Name TBC1D4

Synonyms AS160, KIAA0603

### **Function**

May act as a GTPase-activating protein for RAB2A, RAB8A, RAB10 and RAB14. Isoform 2 promotes insulin-induced glucose transporter SLC2A4/GLUT4 translocation at the plasma membrane, thus increasing glucose uptake.

## **Cellular Location**

Cytoplasm. Note=Isoform 2 shows a cytoplasmic perinuclear localization in a myoblastic cell line in resting and insulin-stimulated cells

## **Tissue Location**

Widely expressed. Isoform 2 is the highest overexpressed in most tissues. Isoform 1 is highly expressed in skeletal muscle and heart, but was not detectable in the liver nor in adipose tissue. Isoform 2 is strongly expressed in adrenal and thyroid gland, and also in lung, kidney, colon, brain and adipose tissue Isoform 2 is moderately expressed in skeletal muscle. Expressed in pancreatic



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Langerhans islets, including beta cells (at protein level) Expression is decreased by twofold in pancreatic islets in type 2 diabetes patients compared to control subjects. Up-regulated in T-cells from patients with atopic dermatitis.

## **AS160 Rabbit mAb - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# AS160 Rabbit mAb - Images

