

AS160 (pT642) Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP51548

Specification

AS160 (pT642) Antibody - Product Information

Application WB, ICC, IHC-P, E

Primary Accession <u>060343</u>

Reactivity Human, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Calculated MW 160 KDa

AS160 (pT642) Antibody - Additional Information

Gene ID 9882

Other Names

TBC1 domain family member 4, Akt substrate of 160 kDa, AS160, TBC1D4, AS160, KIAA0603

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human AS160. The exact sequence is proprietary.

Dilution

WB~~1:1000 ICC~~N/A IHC-P~~N/A E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

AS160 (pT642) Antibody - 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 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 (pT642) Antibody - Protocols

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

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

AS160 (pT642) Antibody - Images

AS160 (pT642) Antibody - Background

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AS160 (pT642) Antibody - References

Baus D., et al. Cell. Signal. 20:2237-2246(2008). Ishibashi K., et al. Genes Cells 14:41-52(2009). Nagase T., et al. DNA Res. 5:31-39(1998). Ota T., et al. Nat. Genet. 36:40-45(2004). Dunham A., et al. Nature 428:522-528(2004).