

AS160/TBC1 Blocking Peptide
Catalog # PBV10466b**Specification**

AS160/TBC1 Blocking Peptide - Product Information

Primary Accession	O60343
Gene ID	9882
Calculated MW	146563

AS160/TBC1 Blocking Peptide - Additional Information**Gene ID** 9882**Application & Usage**

The peptide is used for blocking the antibody activity of AS160/TBC1. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

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

Target/Specificity

AS160/TBC1

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

AS160/TBC1 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

AS160/TBC1 Blocking Peptide - 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/TBC1 Blocking Peptide - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AS160/TBC1 Blocking Peptide - Images