

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

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**AS160/TBC1 Blocking Peptide - Product Information**

Primary Accession	<a href="#">O60343</a>
Gene ID	<b>9882</b>
Calculated MW	<b>146563</b>

**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**