

TBC1D4 (phospho Thr642) Polyclonal Antibody
Catalog # AP68060**Specification**

TBC1D4 (phospho Thr642) Polyclonal Antibody - Product Information

Application	WB, IHC-P, IF
Primary Accession	O60343
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

TBC1D4 (phospho Thr642) Polyclonal Antibody - Additional Information**Gene ID** 9882**Other Names**

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

DilutionWB~~Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000.
Not yet tested in other applications.

IHC-P~~N/A

IF~~1:50~200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

TBC1D4 (phospho Thr642) Polyclonal 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.

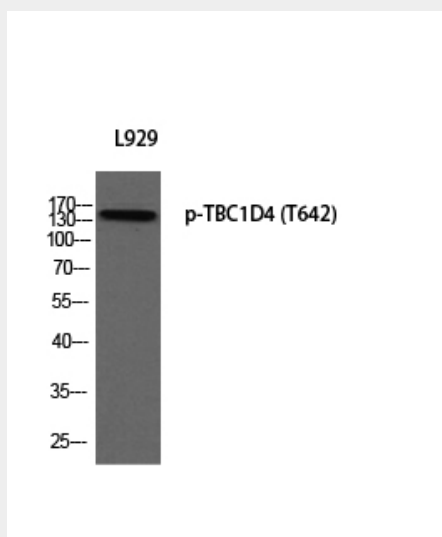
Isoform 2 is strongly expressed in adrenal and thyroid gland, and also in lung, kidney, colon, brain and adipose tissue. Isoform 2 is moderately expressed in skeletal muscle. Expressed in pancreatic Langerhans islets, including beta cells (at protein level). Expression is decreased by twofold in pancreatic islets in type 2 diabetes patients compared to control subjects. Up-regulated in T-cells from patients with atopic dermatitis.

TBC1D4 (phospho Thr642) Polyclonal Antibody - Protocols

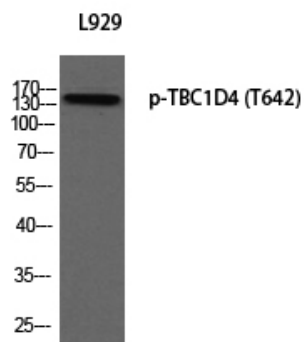
Provided below are standard protocols that you may find useful for product applications.

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

TBC1D4 (phospho Thr642) Polyclonal Antibody - Images



Western blot analysis of L929 using p-TBC1D4 (T642) antibody. Antibody was diluted at 1:2000



Western blot analysis of L929 using p-TBC1D4 (T642) antibody. Antibody was diluted at 1:2000

TBC1D4 (phospho Thr642) Polyclonal Antibody - Background

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.