

# **GRTP1** Antibody

Catalog # ASC10686

## **Specification**

# **GRTP1 Antibody - Product Information**

Application
Primary Accession
Other Accession
Reactivity
Host
Clonality
Isotype

WB
O5TC63
EAX09206, 119629611
Human, Mouse, Rat
Rabbit
Polyclonal

IgG

Application Notes

GRTP1 antibody can be used for detection of GRTP1 by Western blot at 1 µg/mL.

#### **GRTP1** Antibody - Additional Information

Gene ID **79774** 

**Target/Specificity** 

GRTP1; At least three isoforms of GRTP1 are known to exist; this antibody should recognize all isoforms.

# **Reconstitution & Storage**

GRTP1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

## **Precautions**

GRTP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

# **GRTP1** Antibody - Protein Information

Name GRTP1

**Synonyms TBC1D6** 

#### **Function**

May act as a GTPase-activating protein for Rab family protein(s).

# **GRTP1 Antibody - Protocols**

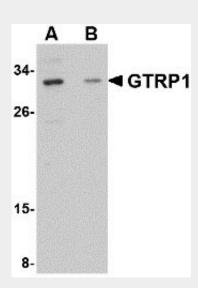
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot



- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **GRTP1 Antibody - Images**



Western blot analysis of GRTP1 in SK-N-SH cell lysate with GRTP1 antibody at 1  $\mu$ g/mL in the (A) absence and (B) presence of blocking peptide.

## **GRTP1 Antibody - Background**

GRTP1 Antibody: Growth hormone regulated TBC protein 1 (GRTP1) was identified through microarray analysis as a gene whose expression is regulated by growth hormone (GH). It contains the TBC signature motif of GTPase activator proteins of Rab-like small GTPases. GRTP1 mRNA is expressed at highest levels in testes, and is also present in kidney, lung, liver, and intestine. Administration of GH to mice resulted in an increase in GRTP1 mRNA in testes, but a decrease of GRTP1 mRNA in kidney and liver. GRTP1 was identified as an HIV dependency factor (HDF), suggesting that GRTP1 may be an important drug target in HIV treatment.

## **GRTP1 Antibody - References**

Lu C, Kasik J, Stephan DA, et al. Grtp1, a novel gene regulated by growth hormone. Endocriniology2001; 142:4568-71.

Brass AL, Dykxhoorn DM, Benita Y, et al. Identification of host proteins required for HIV infection through a functional genomic screen. Science2008; 319:921-6.