

Anti-GRTP1 Antibody

Catalog Number: A15959-1

About GRTP1

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

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Overview

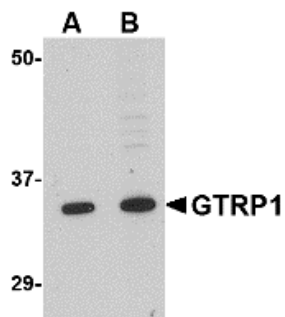
Product Name	Anti-GRTP1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-GRTP1 Antibody (Catalog # A15959-1). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	GRTP1 Antibody is supplied in PBS containing $\leq 0.09\%$ sodium azide.
Storage Instructions	GRTP1 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q5TC63

Technical Details

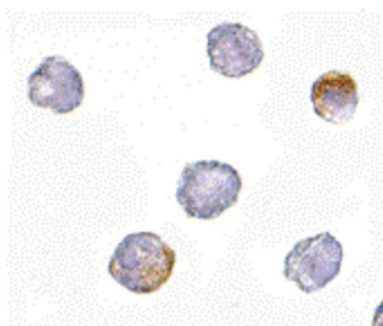
Immunogen	GRTP1 antibody was raised against a 18 amino acid synthetic peptide from near the amino terminus of human GRTP1. The immunogen is located within the first 50 amino acids of GRTP1.
Predicted Reactive Species	Bovine
Isotype	IgG

Form	Liquid
Concentration	1 mg/mL
Purification	GRTP1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	GRTP1 antibody can be used for detection of GRTP1 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunocytochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

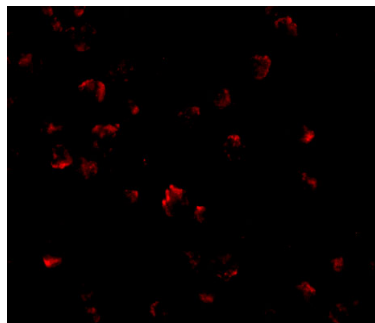
Anti-GRTP1 Antibody (A15959-1) Images



Western blot analysis of GRTP1 in K562 cell lysate with GRTP1 antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of GRTP1 in K562 cells with GRTP1 antibody at 2.5 ug/mL.



Immunofluorescence of GRTP1 in K562 cells with GRTP1 antibody at 20 ug/mL.

Anti-GRTP1 Antibody

For Research Use Only. Not for use in diagnostic procedures.