## GRTP1 (IN) antibody (pAb)

### Instruction Manual

#### Catalog Number
- PK-AB718-4591

#### Synonyms
- GRTP1 Antibody: Growth hormone regulated TBC protein 1, TBC1 domain family member 6

#### Description
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.

#### Quantity
- 100 µg

#### Source / Host
- Rabbit

#### Immunogen
- GRTP1 antibody was raised against a 16 amino acid peptide from near the center of human GRTP1.

#### Purification Method
- Affinity chromatography purified via peptide column.

#### Clone / IgG Subtype
- Polyclonal antibody

#### Species Reactivity
- Human, Mouse, Rat

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

#### Formulation
- Antibody is supplied in PBS containing 0.02% sodium azide.

#### Reconstitution
- During shipment, small volumes of antibody will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µl or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container’s cap.

#### Storage & Stability
- Antibody can be stored at 4°C for three months and at -20°C 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.

#### Applications
- E, WB
  - Note: Antibody might be suitable for other applications not tested so far. Optimal concentrations for each application have to be determined individually.
  - GRTP1 antibody can be used for detection of GRTP1 by Western blot at 1 µg/mL.

#### Images
- Available upon request.

#### References

#### Related Products
- Cat.No. PK-AB718-4591P - GRTP1 Peptide
- Cat. No. PK-AB718-1220 - SK-N-SH Cell Lysate

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