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PTHB1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18186b

Specification

PTHB1 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q3SYG4
Other Accession	NP_001028776.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**99280**
Antigen Region	**832-859**

PTHB1 Antibody (C-term) - Additional Information

Gene ID 27241

Other Names
Protein PTHB1, Bardet-Biedl syndrome 9 protein, Parathyroid hormone-responsive B1 gene protein, BBS9, PTHB1

Target/Specificity
This PTHB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 832-859 amino acids from the C-terminal region of human PTHB1.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PTHB1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PTHB1 Antibody (C-term) - Protein Information

Name BBS9

Synonyms PTHB1

Function The BBSome complex is thought to function as a coat complex required for sorting of specific membrane proteins to the primary cilia. The BBSome complex is required for ciliogenesis but is dispensable for centriolar satellite function. This ciliogenic function is mediated in part by the Rab8 GDP/GTP exchange factor, which localizes to the basal body and contacts the BBSome. Rab8(GTP) enters the primary cilium and promotes extension of the ciliary membrane. Firstly the BBSome associates with the ciliary membrane and binds to RAB3IP/Rabin8, the guanosyl exchange factor (GEF) for Rab8 and then the Rab8-GTP localizes to the cilium and promotes docking and fusion of carrier vesicles to the base of the ciliary membrane. Required for proper BBSome complex assembly and its ciliary localization.

Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cell projection, cilium membrane. Cytoplasm Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite

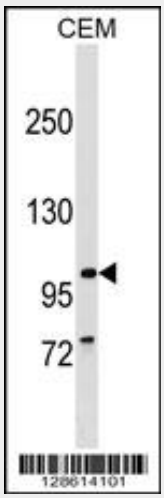
Tissue Location
Widely expressed. Expressed in adult heart, skeletal muscle, lung, liver, kidney, placenta and brain, and in fetal kidney, lung, liver and brain.

PTHB1 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PTHB1 Antibody (C-term) - Images



PTHB1 Antibody (C-term) (Cat. #AP18186b) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the PTHB1 antibody detected the PTHB1 protein (arrow).

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PTHB1 Antibody (C-term) - Background

This gene is downregulated by parathyroid hormone in osteoblastic cells, and therefore, is thought to be involved in parathyroid hormone action in bones. The exact function of this gene has not yet been determined. Alternatively spliced transcript variants encoding different isoforms have been identified.

PTHB1 Antibody (C-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Wang, M., et al. Stat Biopharm Res 1(4):424-430(2009)
Kang, H., et al. Hum. Reprod. 23(6):1457-1465(2008)
Nachury, M.V., et al. Cell 129(6):1201-1213(2007)
Nishimura, D.Y., et al. Am. J. Hum. Genet. 77(6):1021-1033(2005)