

PTHB1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18186b**Specification**

PTHB1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q3SYG4](#)**PTHB1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 27241**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PTHB1 Antibody (C-term) Blocking Peptide - 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 RAB31P/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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PTHB1 Antibody (C-term) Blocking Peptide - Images**PTHB1 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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)