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BBS5 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP20560a

Specification

BBS5 Blocking Peptide (Center) - Product Information

Primary Accession	Q8N3I7
Other Accession	Q9CZQ9, Q4R649

BBS5 Blocking Peptide (Center) - Additional Information

Gene ID 129880

Other Names
Bardet-Biedl syndrome 5 protein, BBS5

Target/Specificity
The synthetic peptide sequence is selected from aa 128-141 of HUMAN BBS5

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.

BBS5 Blocking Peptide (Center) - Protein Information

Name BBS5

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. The BBSome complex, together with the LTZL1, controls SMO ciliary trafficking and contributes to the sonic hedgehog (SHH) pathway regulation. Required for BBSome complex ciliary localization but not for the proper complex assembly.

Cellular Location
Cell projection, cilium membrane. Cytoplasm. Cytoplasm, cytoskeleton, cilium basal body.

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite. Note=Localizes to basal bodies.

BBS5 Blocking Peptide (Center) - Protocols

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

- Blocking Peptides

BBS5 Blocking Peptide (Center) - Images

BBS5 Blocking Peptide (Center) - Background

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BBS5 Blocking Peptide (Center) - References

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