

BBS2 antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # Al14456

Specification

BBS2 antibody - N-terminal region - Product Information

Application WB
Primary Accession Q9BXC9

Other Accession NM 031885, NP 114091

Reactivity Human, Mouse, Rat, Rabbit, Horse, Bovine,

Guinea Pig, Dog

Predicted Human, Mouse, Rat, Chicken, Horse,

Bovine, Guinea Pig, Dog

Host Rabbit
Clonality Polyclonal
Calculated MW 80kDa KDa

BBS2 antibody - N-terminal region - Additional Information

Gene ID 583

Alias Symbol BBS, MGC20703

Other Names

Bardet-Biedl syndrome 2 protein, BBS2

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-BBS2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

BBS2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

BBS2 antibody - N-terminal region - Protein Information

Name BBS2 (HGNC:967)

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 proper BBSome complex assembly and its ciliary localization.

Cellular Location

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

Tissue Location

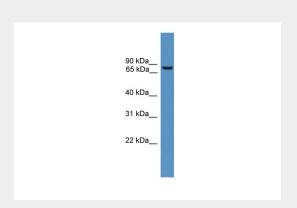
Widely expressed.

BBS2 antibody - N-terminal region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BBS2 antibody - N-terminal region - Images



WB Suggested Anti-BBS2 Antibody Titration: 1.0 μg/ml

Positive Control: MCF7 Whole Cell

BBS2 antibody - N-terminal region - References

Nishimura D.Y.,et al.Hum. Mol. Genet. 10:865-874(2001). Ota T.,et al.Nat. Genet. 36:40-45(2004). Badano J.L.,et al.Nature 439:326-330(2006). Nachury M.V.,et al.Cell 129:1201-1213(2007).

Oeffner F., et al. Cell Motil. Cytoskeleton 65:143-155(2008).