

BBS2 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14456

Product Information

Application	WB
Primary Accession	Q9BXC9
Other Accession	NM_031885 , NP_114091
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Zebrafish, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	79844

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.

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

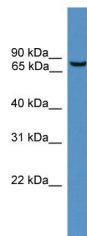
Tissue Location

Widely expressed.

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).

Images



WB Suggested Anti-BBS2 Antibody Titration: 1.0 µg/ml
Positive Control: MCF7 Whole Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.