

BBS2 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14456**Specification**

BBS2 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9BXC9
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 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. 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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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).