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Bbs1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14171

Specification

Bbs1 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q3V3N7
Other Accession	NM_001033128, NP_001028300
Reactivity	**Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Horse, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**65kDa KDa**

Bbs1 antibody - N-terminal region - Additional Information

Gene ID 52028

Alias Symbol	**AI451249, D19Ertd609e**

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-Bbs1 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
Bbs1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Bbs1 antibody - N-terminal region - Protein Information

Name Bbs1

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 (By similarity). Plays a role in olfactory cilium biogenesis/maintenance and trafficking and is essential for the localization of the BBSome

complex in the olfactory sensory neurons cilia (PubMed:15322545, PubMed:28237838).

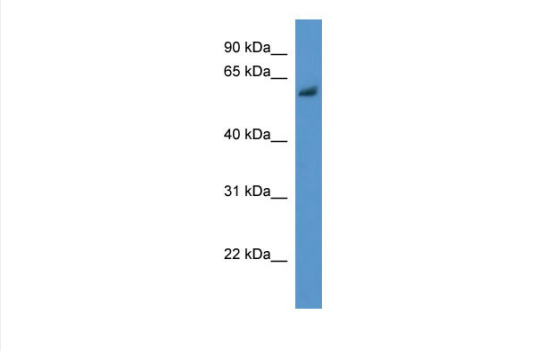
Cellular Location
Cell projection, cilium membrane {ECO:0000250|UniProtKB:Q8NFJ9}. Cytoplasm {ECO:0000250|UniProtKB:Q8NFJ9}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite {ECO:0000250|UniProtKB:Q8NFJ9}

Bbs1 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 Cytomety
- Cell Culture

Bbs1 antibody - N-terminal region - Images



WB Suggested Anti-Bbs1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: Mouse liver