

# Bbs1 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14171

## Product Information

|                   |                                                             |
|-------------------|-------------------------------------------------------------|
| Application       | WB                                                          |
| Primary Accession | <a href="#">Q3V3N7</a>                                      |
| Other Accession   | <a href="#">NM_001033128</a> , <a href="#">NP_001028300</a> |
| Reactivity        | Human, Mouse, Rat, Pig, Dog, Guinea Pig, Horse, Bovine      |
| Predicted         | Human, Mouse, Rat, Dog, Horse                               |
| Host              | Rabbit                                                      |
| Clonality         | Polyclonal                                                  |
| Calculated MW     | 65094                                                       |

## Additional Information

|                          |                                                                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID                  | 52028                                                                                                                                                                                         |
| Alias Symbol             | AI451249, D19Ert609e                                                                                                                                                                          |
| 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.                                                                           |

## 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 |

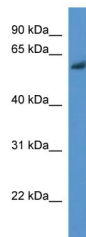
biogenesis/maintenance and trafficking and is essential for the localization of the BBSome complex in the olfactory sensory neurons cilia (PubMed:[15322545](#), PubMed:[28237838](#)).

## 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}

## Images

---



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

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