

For Research Use Only

# BBS5 Polyclonal antibody

Catalog Number: 14569-1-AP

Featured Product

26 Publications



## Basic Information

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| <b>Catalog Number:</b><br>14569-1-AP   | <b>GenBank Accession Number:</b><br>BC044593 | <b>Purification Method:</b><br>Antigen affinity purification   |
| <b>Size:</b><br>150ul , Concentration: 500 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>129880              | <b>Recommended Dilutions:</b><br>WB 1:500-1:1000<br>IP 0.5-4.0 ug for IP and 1:500-1:3000 for WB<br>IHC 1:50-1:500 |
| <b>Source:</b><br>Rabbit   | <b>Full Name:</b><br>Bardet-Biedl syndrome 5 |  |
| <b>Isotype:</b><br>IgG   | <b>Calculated MW:</b><br>39 kDa              |  |
| <b>Immunogen Catalog Number:</b><br>AG6153   | <b>Observed MW:</b><br>39 kDa                |  |

## Applications

### Tested Applications:

IHC, IP, WB, ELISA

### Cited Applications:

CoIP, IF, IHC, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat, mouse

### Positive Controls:

WB : mouse retina tissue, mouse testis tissue, human testis tissue, rat testis tissue, mouse eye tissue

IP : mouse testis tissue,

IHC : human testis tissue, mouse testis tissue, mouse kidney tissue, human stomach tissue, human kidney tissue

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

BBS5 encodes a protein that has been directly linked to Bardet-Biedl syndrome. Bardet-Biedl syndrome (BBS) is an autosomal recessive condition characterised by rod-cone dystrophy, postaxial polydactyly, central obesity, mental retardation, hypogonadism, and renal dysfunction. Other associated clinical findings in BBS patients include diabetes, hypertension and congenital heart defects. BBS expression varies both within and between families and diagnosis is often difficult. Experimentation in non-human eukaryotes suggests that BBS5 is expressed in ciliated cells and that it is required for the formation of cilia. Alternate transcriptional splice variants have been observed but have not been fully characterized.

## Notable Publications

| Author          | Pubmed ID | Journal       | Application |
|-----------------|-----------|---------------|-------------|
| Malavika Raman  | 26389662  | Nat Cell Biol | WB          |
| Naila Haq       | 31479441  | PLoS Biol     | WB,IF       |
| Anna Kazatskaya | 29021280  | Genetics      | IF          |

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

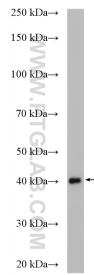
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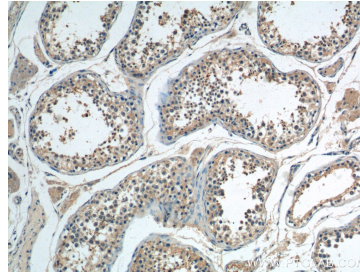
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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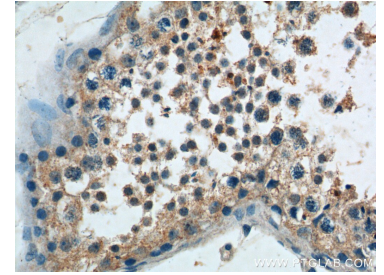
## Selected Validation Data



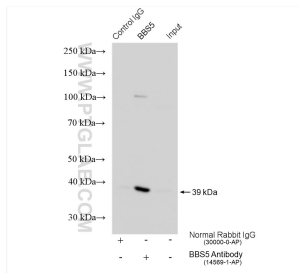
mouse retina tissue were subjected to SDS PAGE followed by western blot with 14569-1-AP (BBS5 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 14569-1-AP (BBS5 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 14569-1-AP (BBS5 Antibody) at dilution of 1:200 (under 40x lens).



IP result of anti-BBS5 (IP:14569-1-AP, 4ug);  
Detection:14569-1-AP 1:1500) with mouse testis tissue lysate 1120 ug.