

For Research Use Only

# BBS5 Polyclonal antibody

Catalog Number: 14569-1-AP

Featured Product

27 Publications



## Basic Information

**Catalog Number:**

14569-1-AP

**Size:**

150ul, Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG6153

**GenBank Accession Number:**

BC044593

**GeneID (NCBI):**

129880

**UNIPROT ID:**

Q8N3I7

**Full Name:**

Bardet-Biedl syndrome 5

**Calculated MW:**

39 kDa

**Observed MW:**

39 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, IP, ELISA

**Cited Applications:**

WB, IHC, IF, IP, CoIP

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, rat

**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, human kidney tissue, human stomach tissue, mouse kidney tissue, mouse testis 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

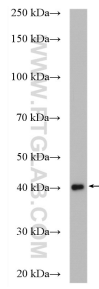
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

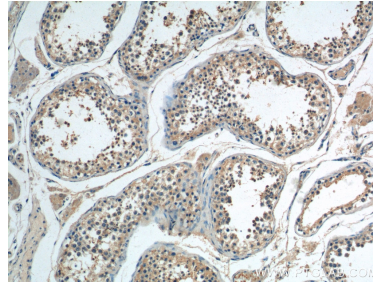
E: proteintech@ptglab.com  
W: ptglab.com

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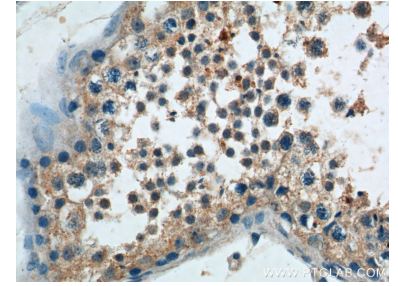
## Selected Validation Data



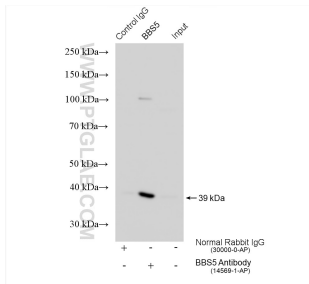
mouse retina tissue were subjected to SDS PAGE followed by western blot with 14569-1-AP (BBS5 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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.