

For Research Use Only

BBS5 Polyclonal antibody

Catalog Number:14569-1-AP

Featured Product

27 Publications



Basic Information

Catalog Number:

14569-1-AP

Size:

500 ug/ml

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

For technical support and original validation data for this product please contact:

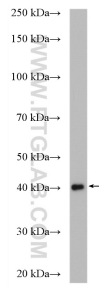
T: 4006900926

E: Proteintech-CN@ptglab.com

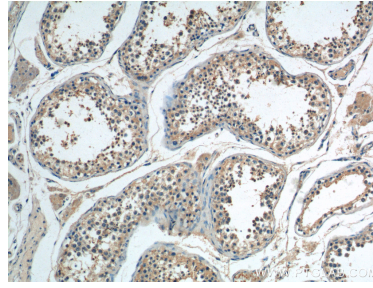
W: ptgcn.com

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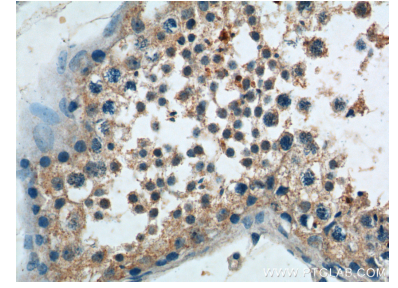
Selected Validation Data



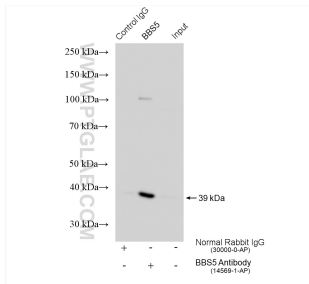
mouse retina tissue were subjected to SDS PAGE followed by western blot with 14569-1-AP (BBS5 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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.