For Research Use Only

BBS5 Monoclonal antibody

Catalog Number:66136-1-Ig

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Basic Information

Catalog Number:
66136-1-Ig

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG6844

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:
Protein G purification

CloneNo.:
4G8E12

Recommended Dilutions:
WB: 1:500-1:2000
IHC: 1:50-1:500
IF/ICC: 1:1755-1:7022

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse

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

Positive Controls:

WB : human brain tissue,

IHC : mouse kidney tissue, mouse testis tissue

IF/ICC : hTERT-RPE1 cells,

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.

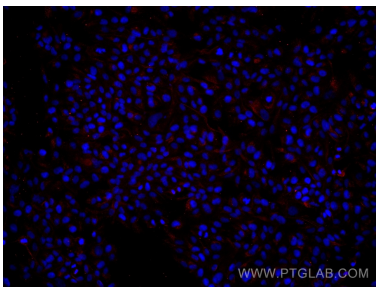
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

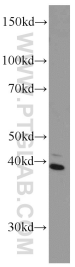
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

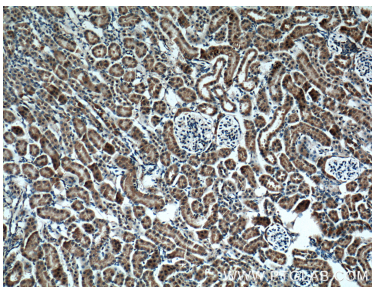
Selected Validation Data



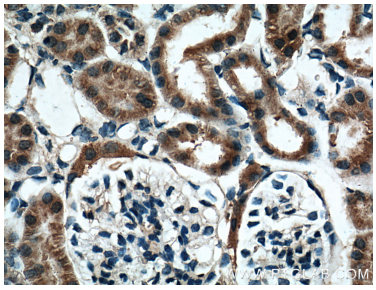
Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using BBS5 antibody (66136-1-Ig, Clone: 4G8E12) at dilution of 1:3511 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).



human brain tissue were subjected to SDS PAGE followed by western blot with 66136-1-Ig (BBS5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 66136-1-Ig (BBS5 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 66136-1-Ig (BBS5 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).