

## BBS10 Polyclonal antibody

Catalog Number: 12421-2-AP

Featured Product

3 Publications

## Basic Information

## Catalog Number:

12421-2-AP

## Size:

500 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG3073

## GenBank Accession Number:

BC013795

## GeneID (NCBI):

79738

## UNIPROT ID:

Q8TAM1

## Full Name:

Bardet-Biedl syndrome 10

## Calculated MW:

81 kDa

## Observed MW:

81 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IF/ICC 1:20-1:200

## Applications

## Tested Applications:

WB, IF/ICC, ELISA

## Cited Applications:

WB, IF

## Species Specificity:

human

## Cited Species:

human, mouse

## Positive Controls:

WB : HepG2 cells, A549 cells, MCF-7 cells

IF/ICC : hTERT-RPE1 cells,

## Background Information

BBS10, also named as C12orf58, belongs to the TCP-1 chaperonin family. It is probable molecular chaperone. Assists the folding of proteins upon ATP hydrolysis. As part of the BBS/CCT complex, BBS10 may play a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia. Involved in adipogenic differentiation. (PMID:20080638,19190184) Defects in BBS10 are the cause of Bardet-Biedl syndrome type 10 (BBS10).

## Notable Publications

Author	Pubmed ID	Journal	Application
Noëlle Cognard	26273430	Cilia	WB
Seo Seongjin S	20080638	Proc Natl Acad Sci U S A	WB,IF
Marion Vincent V	19190184	Proc Natl Acad Sci U S A	WB,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

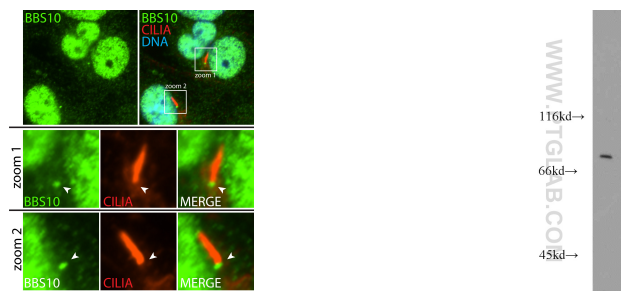
For technical support and original validation data for this product please contact:

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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Selected Validation Data



IF result (nuclear and the base of cilia stain) of anti-BBS10 (12421-2-AP; 1:50) with hTERT-RPE1 cell (PFA fixed) by Dr. Moshe Kim.

HepG2 cells were subjected to SDS PAGE followed by western blot with 12421-2-AP (BBS10 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.