

For Research Use Only

BBIP1 Polyclonal antibody

Catalog Number: 33050-1-AP

Featured Product



Basic Information

Catalog Number:

33050-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36924

GenBank Accession Number:

BC015550

GeneID (NCBI):

92482

UNIPROT ID:

A8MTZ0

Full Name:

non-protein coding RNA 81

Observed MW:

22 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: A549 cells, PANC-1 cells, U-87 MG cells

Background Information

The BBIP1 protein is a key component of the BBSome complex and was identified due to its role in the pathogenesis of Bardet-Biedl syndrome (BBS). This protein localizes to the base of cellular cilia and plays an indispensable role in ciliary assembly, maintenance, and signal transduction. As an adapter for membrane protein trafficking, BBIP1 works in coordination with other members of the BBSome to precisely transport specific cargo proteins into the cilium, an important cellular organelle. Loss of its function disrupts the stability of the BBSome complex, leading to abnormalities in ciliary structure and function. This, in turn, causes various clinical symptoms of BBS, including retinal degeneration, obesity, and polydactyly. Therefore, research on BBIP1 is central to understanding the molecular basis of cilia-related diseases (ciliopathies).

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:

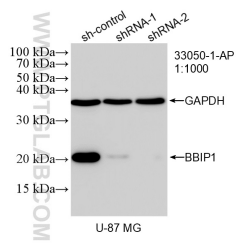
T: 4006900926

E: Proteintech-CN@ptglab.com

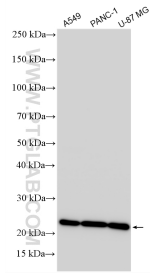
W: ptgcn.com

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Selected Validation Data



WB result of BBIP1 antibody (33050-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-BBIP1 transfected U-87 MG cells.



Various lysates were subjected to SDS PAGE followed by western blot with 33050-1-AP (BBIP1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.