

## BBS3 Polyclonal Antibody

Catalog number: 12676-1-AP

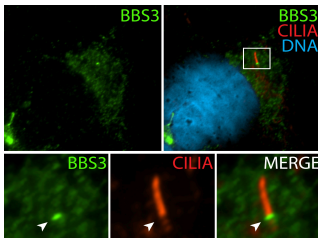
Size: 50 µg/150 µl

Source: Rabbit

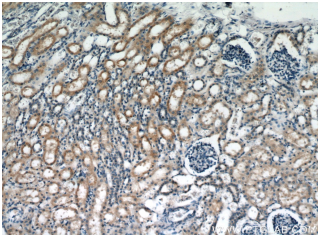
Isotype: IgG

Synonyms:

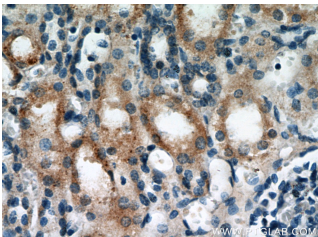
ARL6; ADP ribosylation factor like 6, ARL6, BBS3



IF result (cytoplasm and the base of cilia stain) of anti-BBS3 (12676-1-AP; 1:50) with hTERT-RPE1 cell (MeOH fixed) by Dr. Moshe Kim.



Immunohistochemical of paraffin-embedded human kidney using 12676-1-AP (BBS3 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human kidney using 12676-1-AP (BBS3 antibody) at dilution of 1:50 (under 40x lens)

### Background

ADP-ribosylation factor-like protein 6 (ARL6), belongs to a small GTPase superfamily, is involved in membrane protein trafficking at the base of the ciliary organelle. ARL6 is also named Bardet-Biedl syndrome 3 protein, because defects in ARL6 are a cause of Bardet-Biedl syndrome type 3 (BBS3), which is a genetically heterogeneous disorder characterized by usually severe pigmentary retinopathy, early onset obesity, polydactyly, hypogenitalism, renal malformation and mental retardation. ARL6 can interact with many ARL6 interacting proteins and form BBSome complex with other BBS proteins including BBS1, BBS2, BBS4 and so on.

### Applications

Tested applications:	ELISA, IF, WB, IHC, IP
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated BBS3 MW:	186aa, 21 kDa
Observed BBS3 MW:	21 kDa
Positive WB detected in	Human brain tissue, HEK-293 cells, human testis tissue, mouse brain tissue, rat brain tissue
Positive IP detected in	Rat brain tissue
Positive IHC detected in	Human kidney tissue, human brain tissue, human gliomas tissue
Positive IF detected in	HTERT-RPE1 cells, MDCK cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:20-1:200

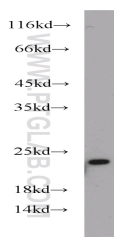
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

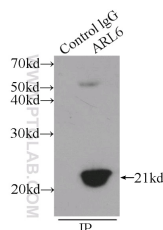
Immunogen:	Ag3363
GenBank accession number:	BC024239
Gene ID (NCBI):	84100
Full name:	ADP-ribosylation factor-like 6

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



human brain tissue were



IP Result of anti-BBS3

subjected to SDS PAGE (IP:12676-1-AP, 3ug;  
followed by western blot with Detection:12676-1-AP 1:600)  
12676-1-AP(BBS3 antibody) with rat brain tissue lysate  
at dilution of 1:500 5200ug.