

For Research Use Only

BBS4 Recombinant antibody

Catalog Number: 82961-1-RR



Basic Information

Catalog Number: 82961-1-RR	GenBank Accession Number: BC027624	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 585	CloneNo.: 230303C2
Source: Rabbit	UNIPROT ID: Q96RK4	Recommended Dilutions: WB 1:2000-1:10000 IF 1:500-1:2000
Isotype: IgG	Full Name: Bardet-Biedl syndrome 4	
Immunogen Catalog Number: AG3430	Calculated MW: 519 aa, 58 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: WB, IF, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells, SH-SY5Y cells
Species Specificity: Human	IF : hTERT-RPE1 cells,

Background Information

BBS4 (Bardet-Biedl syndrome protein 4) is one of the early BBS proteins discovered, with 35 mutations reported to cause the BBS phenotype (PMID: 26762677). BBS4 undergoes localization to the centriolar satellites of centrosomes and basal body of primary cilia, where it takes part in recruiting cargo to centriolar satellites and allowing the formation of a functional centrosomal microtubule organizing center (MTOC) (PMID: 25860617). Some research has found that BBS4 expression in humans during the development of CNS and sensory organs, concerning the cardinal clinical signs of BBS (PMID: 33860840).

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

*** 20ul sizes contain 0.1% BSA

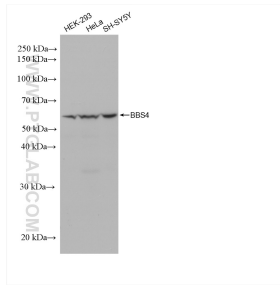
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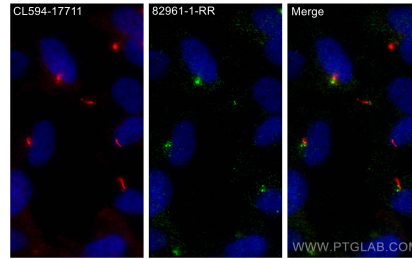
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82961-1-RR (BBS4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using BBS4 antibody (82961-1-RR, Clone: 230303C2) at dilution of 1:1000 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CoraLite® 594 ARL13B antibody (CL594-17711, red).