

For Research Use Only

BBS4 Recombinant antibody, PBS Only (Capture)



Catalog Number: 82961-1-PBS

Basic Information

Catalog Number: 82961-1-PBS	GenBank Accession Number: BC027624	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 585	CloneNo.: 230303C2
Source: Rabbit	UNIPROT ID: Q96RK4	
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/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
100% PBS pH 7.3

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

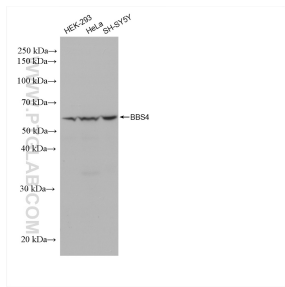
T: 4006900926

E: Proteintech-CN@ptglab.com

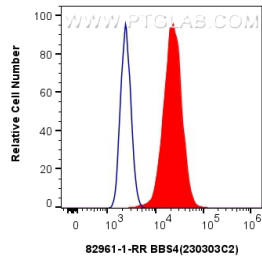
W: ptgcn.com

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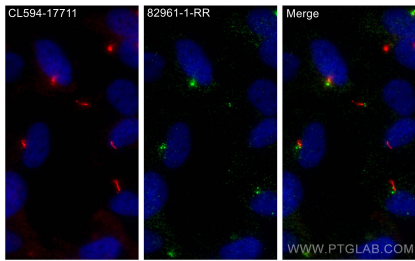
Selected Validation Data



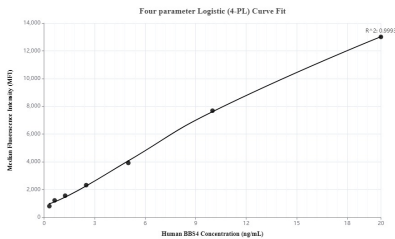
Various lysates were subjected to SDS PAGE followed by western blot with 82961-1-RR (BBS4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82961-1-PBS in a different storage buffer formulation.



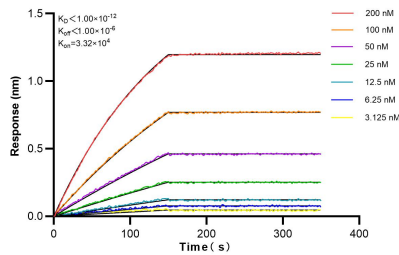
1x10⁶ HeLa cells were intracellularly stained with 0.25 ug BBS4 Recombinant antibody (82961-1-RR, Clone:230303C2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 82961-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82961-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve ofMP00130-1, BBS4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82961-1-PBS. Detection antibody: 82961-3-PBS. Standard: Ag3430. Range: 0.313-20 ng/mL



Biolayer interferometry (BLI) kinetic assays of 82961-1-RR against Human BBS4 were performed. The affinity constant is below 1 pM.