

Rabbit anti-Human, Mouse BBS1 Polyclonal Antibody | anti-BBS1 antibody

BBS1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232971	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

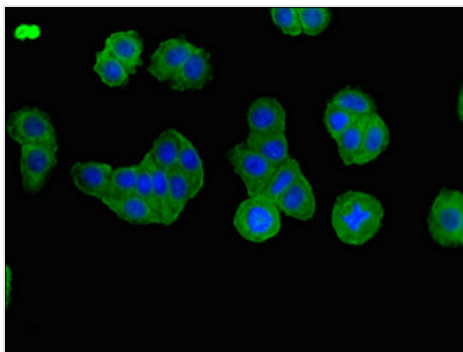
PRODUCT SYNONYMS

BBS1; Polyclonal Antibody; BBS1 Antibody; Bardet-Biedl syndrome 1 protein; BBS2-like protein 2; BBS2L2; anti-BBS1 antibody

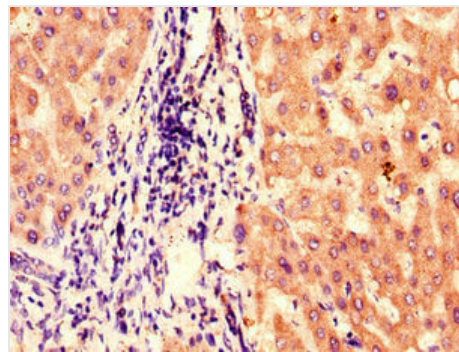
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	593
Applicable Applications for anti-BBS1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Bardet-Biedl syndrome 1 protein (217-417AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-49789 / sc-49790 / sc-49791
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

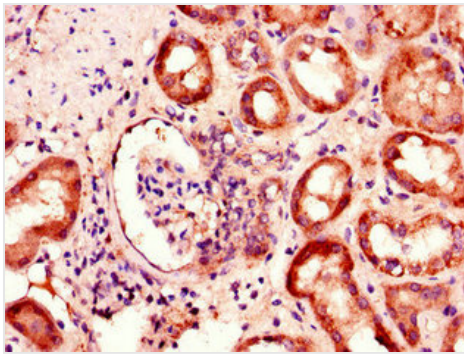
IMAGES


IF (Immunofluorescence)

Immunofluorescent analysis of HepG2 cells using AAA232971 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

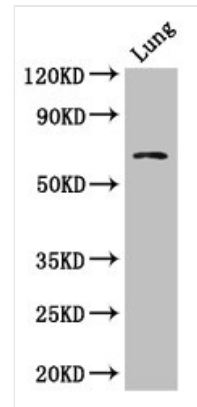

IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded human liver tissue using AAA232971 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney tissue using AAA232971 at dilution of 1:100



WB (Western Blot)

Western Blot Positive WB detected in: Mouse lung tissue All lanes: BBS1 antibody at 1ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 66,70,50 kDa Observed band size: 66 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-BBS1 antibody

The BBSome complex is thought to function as a coat complex required for sorting of specific membrane proteins to the primary cilia. The BBSome complex is required for ciliogenesis but is dispensable for centriolar satellite function. This ciliogenic function is mediated in part by the Rab8 GDP/GTP exchange factor, which localizes to the basal body and contacts the BBSome. Rab8(GTP) enters the primary cilium and promotes extension of the ciliary membrane. Firstly the BBSome associates with the ciliary membrane and binds to RAB31P/Rabin8, the guanosyl exchange factor (GEF) for Rab8 and then the Rab8-GTP localizes to the cilium and promotes docking and fusion of carrier vesicles to the base of the ciliary membrane. The BBSome complex, together with the LTZL1, controls SMO ciliary trafficking and contributes to the sonic hedgehog (SHH) pathway regulation. Required for proper BBSome complex assembly and its ciliary localization.

NCBI AND UNIPROT INFORMATION

NCBI GI #	28395045
NCBI GeneID	582
NCBI Accession #	NP_078925.3
NCBI GenBank Nucleotide #	NM_024649.4
UniProt Accession #	Q8NFJ9; Q32MM9; Q32MN0; Q96SN4
Molecular Weight	49,006 Da
NCBI Official Full Name	Bardet-Biedl syndrome 1 protein
NCBI Official Synonym Full Names	Bardet-Biedl syndrome 1
NCBI Official Symbol	BBS1
NCBI Official Synonym Symbols	BBS2L2
NCBI Protein Information	Bardet-Biedl syndrome 1 protein
UniProt Protein Name	Bardet-Biedl syndrome 1 protein
UniProt Gene Name	BBS1
UniProt Synonym Gene Names	BBS2L2
UniProt Entry Name	BBS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

