

Rabbit anti-Human, Mouse Bardet-Biedl syndrome 4 protein Polyclonal Antibody | anti-BBS4 antibody

Rabbit anti-human Bardet-Biedl syndrome 4 protein polyclonal Antibody(BBS4)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA118949	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

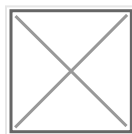
PRODUCT SYNONYMS

Bardet-Biedl syndrome 4 protein; Polyclonal Antibody; Rabbit anti-human Bardet-Biedl syndrome 4 protein polyclonal Antibody(BBS4); BBS4; anti-BBS4 antibody

PRODUCT SPECIFICATIONS

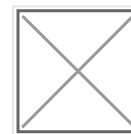
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	347
Applicable Applications for anti-BBS4 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Bardet-Biedl syndrome 4 protein protein (350-519aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-49386 / sc-49387 / sc-67201
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



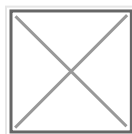
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using AAA118949 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using AAA118949 at dilution 1:100



WB (Western Blot)

All lanes: Bardet-Biedl syndrome 4 protein antibody at 4ug/mL Lane 1: Hela whole cell lysate Lane 2: U251 whole cell lysate Lane 3: mouse heart tissue Secondary: Goat polyclonal to rabbit at 1/10000 dilution Predicted band size: 59,60,39 kDa Observed band size: 58 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-BBS4 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. Required for microtubule anchoring at the centrosome but not for microtubule nucleation. May be required for the dynein-mediated transport of pericentriolar proteins to the centrosome.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	358248275
NCBI GeneID	585
NCBI Accession #	NP_001239607.1
NCBI GenBank Nucleotide #	NM_001252678.1
UniProt Accession #	Q96RK4; Q53DZ5; Q8NHU9; Q96H45; B4E178
Molecular Weight	38,282 Da
NCBI Official Full Name	Bardet-Biedl syndrome 4 protein isoform 2
NCBI Official Synonym Full Names	Bardet-Biedl syndrome 4
NCBI Official Symbol	BBS4
NCBI Protein Information	Bardet-Biedl syndrome 4 protein
UniProt Protein Name	Bardet-Biedl syndrome 4 protein
UniProt Gene Name	BBS4
UniProt Entry Name	BBS4_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.