

Rabbit BBS5 Polyclonal Antibody | anti-BBS5 antibody

BBS5 Antibody

CATALOG # AAA322857	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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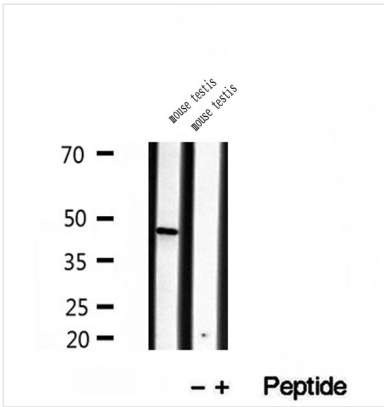
PRODUCT SYNONYMS

BBS5; Polyclonal Antibody; BBS5 Antibody; Bardet Biedl syndrome 5 protein; Bardet-Biedl syndrome 5 protein; BBS5_HUMAN; anti-BBS5 antibody

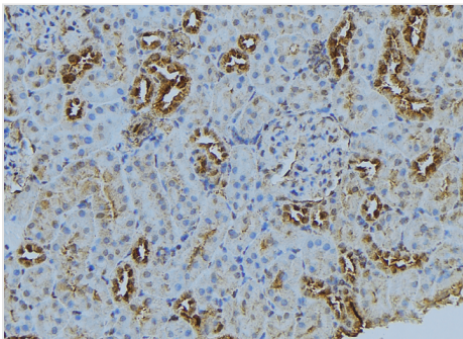
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	BBS5 antibody detects endogenous levels of BBS5.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	341
Applicable Applications for anti-BBS5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BBS5.
Subcellular Location	Cell Projection, Cilium Membrane. Cytoplasm. Cytoplasm, Cytoskeleton, Cilium Basal Body. Cytoplasm, Cytoskeleton, Microtubule Organizing Center, Centrosome, Centriolar Satellite. Localizes to basal bodies.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Chicken
Similarity	Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of mouse testis tissue, using BBS5 antibody.



IHC (Immunohistochemistry)
AAA322857 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-BBS5 antibody	Function: 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 BBSome complex ciliary localization but not for the proper complex assembly. Subunit Structure: Part of BBSome complex, that contains BBS1, BBS2, BBS4, BBS5, BBS7, BBS8/TTC8, BBS9 and BBIP10. Binds to phosphoinositides. Interacts with CCDC28B. Interacts with SMO; the interaction is indicative for the association of SMO with the BBSome complex to facilitate ciliary localization of SMO. Interacts with PKD1 (PubMed:24939912). Similarity: Belongs to the BBS5 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22748823
NCBI GeneID	129880
NCBI Accession #	NP_689597.1
NCBI GenBank Nucleotide #	NM_152384.2
UniProt Accession #	Q8N3I7; Q6PKN0; D3DPC3
Molecular Weight	Observed: 40-45 kDa Predicted: 39 kDa
NCBI Official Full Name	Bardet-Biedl syndrome 5 protein
NCBI Official Synonym Full Names	Bardet-Biedl syndrome 5
NCBI Official Symbol	BBS5
NCBI Protein Information	Bardet-Biedl syndrome 5 protein
UniProt Protein Name	Bardet-Biedl syndrome 5 protein
UniProt Gene Name	BBS5

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/bbs5-antibody-immunohistochemistry-western-blot-elisa/322857>