

Rabbit anti-Human, Mouse BBS7 Polyclonal Antibody | anti-BBS7 antibody

BBS7 Antibody

CATALOG # AAA323073	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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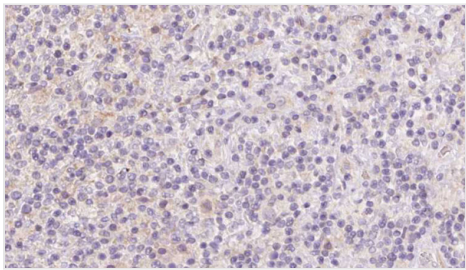
PRODUCT SYNONYMS

BBS7; Polyclonal Antibody; BBS7 Antibody; Bardet Biedl syndrome 7 protein; Bardet-Biedl syndrome 7; Bardet-Biedl syndrome 7 protein; BBS2 like 1; BBS2 like protein 1; BBS2-like protein 1; BBS2L1; BBS7_HUMAN; FLJ10715; anti-BBS7 antibody

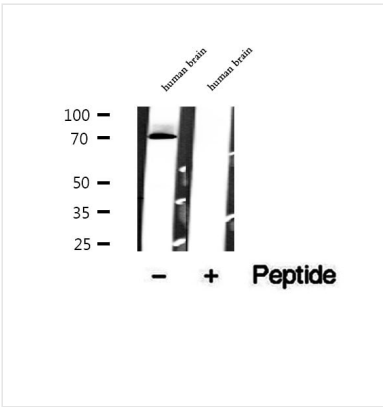
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	BBS7 antibody detects endogenous levels of BBS7.
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	672
Applicable Applications for anti-BBS7 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BBS7.
Subcellular Location	Cell Projection > Cilium Membrane. Cytoplasm. Localizes to nonmembranous centriolar satellites in the cytoplasm.
Tissue Specificity	Isoform 2 is ubiquitously expressed. Isoform 1 is expressed in retina, lung, liver, testis, ovary, prostate, small intestine, liver, brain, heart and pancreas.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (91%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323073 at 1/100 staining Human lymph cancer 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.



WB (Western Blot)
Western blot analysis of extracts of human brain tissue, using BBS7 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-BBS7 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 RAB3IP/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. Subunit Structure: Part of BBSome complex, that contains BBS1, BBS2, BBS4, BBS5, BBS7, BBS8/TTC8, BBS9 and BBIP10. Interacts with BBS2 (via C-terminus). Interacts with CCDC28B and ALDOB. Interacts with SMO; the interaction is indicative for the association of SMO with the BBSome complex to facilitate ciliary localization of SMO.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29029555
NCBI GeneID	55212
NCBI Accession #	NP_060660.2
NCBI GenBank Nucleotide #	NM_018190.3
UniProt Accession #	Q8IWZ6; Q4W5P8; Q8N581; Q9NVI4
Molecular Weight	Observed: 75 kDa Predicted: 81 kDa
NCBI Official Full Name	Bardet-Biedl syndrome 7 protein isoform b
NCBI Official Synonym Full Names	Bardet-Biedl syndrome 7
NCBI Official Symbol	BBS7
NCBI Official Synonym Symbols	BBS2L1
NCBI Protein Information	Bardet-Biedl syndrome 7 protein
UniProt Protein Name	Bardet-Biedl syndrome 7 protein
UniProt Gene Name	BBS7
UniProt Synonym Gene Names	BBS2L1

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://stage.aaabiotech.com/polyclonal/bbs7-antibody-immunohistochemistry-western-blot-elisa/323073>