BBS10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BBS10, Polyclonal Antibody
Full Product Name	BBS10 Rabbit pAb
Product Gene Name	anti-BBS10 antibody
Product Synonym Names	C12orf58
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	81kDa
OMIM	610148
3D Structure	ModBase 3D Structure for Q8TAM1
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 474-723 of human BBS10 (NP_078961.3).
Cellular Localization	Cell Projection
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-BBS10 antibody	Western Blot (WB)
Application Notes for anti-BBS10 antibody	WB: 1:200-1:3000
Related Product Information for anti-BBS10 antibody	Probable molecular chaperone. Assists the folding of proteins upon ATP hydrolysis. As part of the BBS/CCT complex may play a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia. Involved in adipogenic differentiation.
Other Notes	Small volumes of anti-BBS10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BBS10 purchase	MBS8547560 is an antibody targeting BBS10. Also known as BBS10 Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BBS10. It may not necessarily be applicable to this product.

NCBI GI #	100816407
NCBI GeneID	79738

NCBI Accession #	NP_078961
UniProt Primary Accession #	Q8TAM1
UniProt Related Accession #	Q8TAM1
GenBank Nucleotide #	NP_078961.3
NCBI Official Full Name	Bardet-Biedl syndrome 10 protein
NCBI Official Synonym Full Names	Bardet-Biedl syndrome 10
NCBI Official Symbol	BBS10
NCBI Official Synonym Symbols	C12orf58
UniProt Protein Name	Bardet-Biedl syndrome 10 protein
Protein Family	Bardet-Biedl syndrome 10 protein
UniProt Gene Name	BBS10
UniProt Synonym Gene Names	C12orf58
UniProt Entry Name	BBS10_HUMAN
NCBI Protein Information	Bardet-Biedl syndrome 10 protein
NCBI Summary for BBS10	This gene is a member of the Bardet-Biedl syndrome (BBS) gene family. Bardet-Biedl syndrome is an autosomal recessive disorder characterized by progressive retinal degeneration, obesity, polydactyly, renal malformation and cognitive disability. The proteins encoded by BBS gene family members are structurally diverse and the similar phenotypes exhibited by mutations in BBS gene family members is likely due to their shared roles in cilia formation and function. Many BBS proteins localize to the basal bodies, ciliary axonemes, and pericentriolar regions of cells. BBS proteins may also be involved in intracellular trafficking via microtubule-related transport. The protein encoded by this gene is likely not a ciliary protein but rather has distant sequence homology to type II chaperonins. As a molecular chaperone, this protein may affect the folding or stability of other ciliary or basal body proteins. Inhibition of this protein's expression impairs ciliogenesis in preadipocytes. Mutations in this gene cause Bardet-Biedl syndrome type 10. [provided by RefSeq, Jan 2010]
Research Articles on BBS10	**1.** A consanguineous patient with Bardet Biedl syndrome was found to be homozygous for the variant of BBS10: NM_024685.3, c.39_46delGGCGTTGC, p.Ala14GlyfsTer79 (A14Gfs*79). Several other members of the pedigree had obesity or other features associated with this syndrome.
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