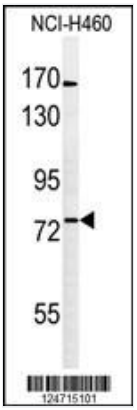
BBS10 Antibody – Rabbit Polyclonal

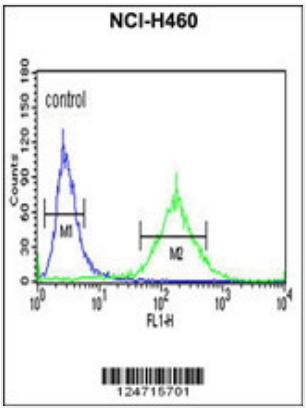
PRODUCT OVERVIEW

Product Name	BBS10, Polyclonal Antibody
Full Product Name	BBS10, CT (BBS10, C12orf58, Bardet-Biedl syndrome 10 protein) (Azide free) (HRP)
Product Gene Name	anti-BBS10 antibody
Product Synonym Names	BBS10; C12orf58; Bardet-Biedl syndrome 10 protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	80,838 Da
OMIM	610148
3D Structure	ModBase 3D Structure for Q8TAM1
Immunogen	BBS10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between amino acids 520-550 from the C-terminal region of human BBS10.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-BBS10 antibody	Antibodies; KIAA; orf
Applications Tested/Suitable for anti-BBS10 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-BBS10 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-BBS10 antibody	BBS10 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 mental retardation. 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.

Product References and Citations for anti-BBS10 antibody	Marion, V., et al. Proc. Natl. Acad. Sci. U.S.A. 106(6):1820-1825(2009). Gerth, C., et al. Vision Res. 48(3):392-399(2008). White, D.R., et al. Eur. J. Hum. Genet. 15(2):173-178(2007).
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	MBS6277728 is an antibody targeting BBS10. Also known as BBS10, CT (BBS10, C12orf58, Bardet-Biedl syndrome 10 protein) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-BBS10 antibody
Western blot analysis of BBS10 Antibody (C-term) in NCI-H460 cell line lysates (35ug/lane). BBS10 (arrow) was detected using the purified Pab.



Flow Cytometry (FC/FACS) of anti-BBS10 antibody
BBS10 Antibody (C-term) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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 Secondary Accession #	Q96CW2; Q9H5D2
UniProt Related Accession #	Q8TAM1
GenBank Nucleotide #	NM_024685
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

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