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BBS10 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP4880b

Specification

BBS10 Antibody (C-term) - Product Information

Application	**WB, FC,E**
Primary Accession	Q8TAM1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**515-544**

BBS10 Antibody (C-term) - Additional Information

Gene ID 79738

Other Names
Bardet-Biedl syndrome 10 protein, BBS10, C12orf58

Target/Specificity
This BBS10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 515-544 amino acids from the C-terminal region of human BBS10.

Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
BBS10 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

BBS10 Antibody (C-term) - Protein Information

Name BBS10

Synonyms C12orf58

Function Probable molecular chaperone that assists the folding of proteins upon ATP hydrolysis

(PubMed:20080638). Plays a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia (PubMed:20080638). Involved in adipogenic differentiation (PubMed:19190184).

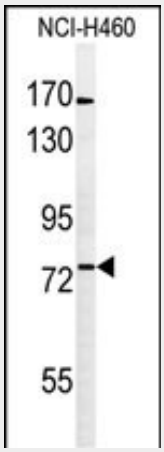
Cellular Location
Cell projection, cilium. Note=Located within the basal body of the primary cilium of differentiating preadipocytes

BBS10 Antibody (C-term) - Protocols

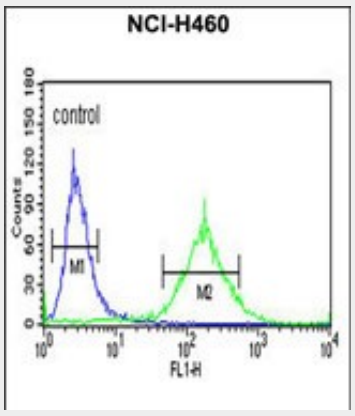
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BBS10 Antibody (C-term) - Images



Western blot analysis of BBS10 Antibody (C-term) (Cat. #AP4880b) in NCI-H460 cell line lysates (35ug/lane). BBS10 (arrow) was detected using the purified Pab.



BBS10 Antibody (C-term) (Cat. #AP4880b) flow cytometric analysis of NCI-H460 cells (right

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histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

BBS10 Antibody (C-term) - Background

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.

BBS10 Antibody (C-term) - References

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)