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TTC8 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16824a

Specification

TTC8 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q8TAM2
Other Accession	NP_938051.1, NP_653197.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**61534**
Antigen Region	**18-46**

TTC8 Antibody (N-term) - Additional Information

Gene ID 123016

Other Names
Tetratricopeptide repeat protein 8, TPR repeat protein 8, Bardet-Biedl syndrome 8 protein, TTC8, BBS8

Target/Specificity
This TTC8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 18-46 amino acids from the N-terminal region of human TTC8.

Dilution
WB~~1:1000

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
TTC8 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TTC8 Antibody (N-term) - Protein Information

Name TTC8

Synonyms BBS8

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.

Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cell projection, cilium membrane. Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite. Cell projection, cilium {ECO:0000250|UniProtKB:Q8VD72}

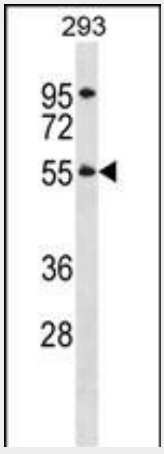
Tissue Location
Widely expressed.

TTC8 Antibody (N-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

TTC8 Antibody (N-term) - Images



TTC8 Antibody (N-term) (Cat. #AP16824a) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the TTC8 antibody detected the TTC8 protein (arrow).

TTC8 Antibody (N-term) - Background

This gene encodes a protein that has been directly linked

to Bardet-Biedl syndrome. The primary features of this syndrome include retinal dystrophy, obesity, polydactyly, renal abnormalities and learning disabilities. Experimentation in non-human eukaryotes suggests that this gene is expressed in ciliated cells and that it is involved in the formation of cilia. Alternate transcriptional splice variants have been characterized.

TTC8 Antibody (N-term) - References

Riazuddin, S.A., et al. Am. J. Hum. Genet. 86(5):805-812(2010)
Bin, J., et al. Hum. Mutat. 30 (7), E737-E746 (2009) :
Chung, W.K., et al. Hum. Hered. 67(3):193-205(2009)
Nachury, M.V., et al. Cell 129(6):1201-1213(2007)
Ansley, S.J., et al. Nature 425(6958):628-633(2003)