

Product datasheet for **TA331018**

TTC8 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-TTC8 antibody: synthetic peptide directed towards the N terminal of human TTC8. Synthetic peptide located within the following region: ENAI AQVPRPGTSLKLPGTNQTGGPSQAVRPITQAGRPITGFLRPSTQSG
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	54 kDa
Gene Name:	tetratricopeptide repeat domain 8
Database Link:	NP_938052 Entrez Gene 123016 Human Q8TAM2



[View online »](#)

Background:

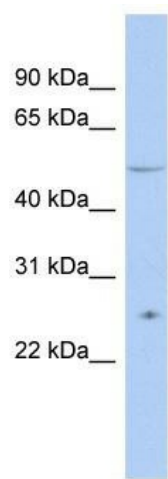
The BBSome complex is required for ciliogenesis but is dispensable for centriolar satellite function. This ciliogenic function is mediated in part by the Rab8 GDP/GTP exchange factor, which localizes to the basal body and contacts the BBSome. Rab8(GTP) enters the primary cilium and promotes extension of the ciliary membrane. Firstly the BBSome associates with the ciliary membrane and binds to 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. 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.

Synonyms:

BBS8; RP51

Note:

Rat: 100%; Human: 100%; Dog: 93%; Pig: 93%; Mouse: 93%; Bovine: 93%; Guinea pig: 93%; Horse: 86%; Rabbit: 86%

Product images:

WB Suggested Anti-TTC8 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: THP-1 cell lysate