

Rabbit BBS8/TTC8 Polyclonal Antibody | anti-TTC8 antibody

Anti-BBS8/TTC8 Antibody Picoband

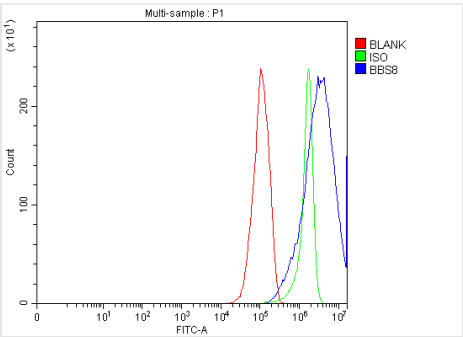
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126494	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

BBS8/TTC8; Polyclonal Antibody; Anti-BBS8/TTC8 Antibody Picoband; anti-TTC8 antibody

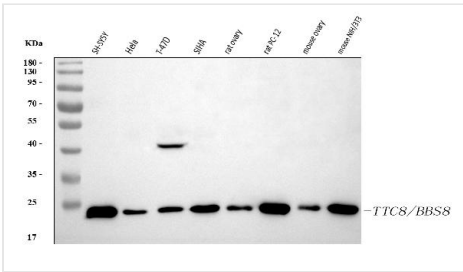
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-TTC8 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human BBS8/TTC8 recombinant protein (Position: E271-Q533).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of RT4 cells using anti-BBS8/TTC8 antibody (AAA126494). Overlay histogram showing RT4 cells stained with AAA126494 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-BBS8/TTC8 Antibody (AAA126494, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶ cells) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of BBS8/TTC8 using anti-BBS8/TTC8 antibody (AAA126494). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human SH-SY5Y whole cell lysates, Lane 2: human Hela whole cell lysates, Lane 3: human T-47D whole cell lysates, Lane 4: human SiHa whole cell lysates, Lane 5: rat ovary tissue lysates, Lane 6: rat PC-12 whole cell lysates, Lane 7: mouse ovary tissue lysates, Lane 8: mouse NIH/3T3 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-BBS8/TTC8 antigen affinity purified polyclonal antibody (#AAA126494) at 0.25 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for BBS8/TTC8 at approximately 23 kDa. The expected band size for BBS8/TTC8 is at 63 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TTC8 antibody	Tetratricopeptide repeat domain 8 (TTC8) also known as Bardet-Biedl syndrome 8 is a protein that in humans is encoded by the TTC8 gene. 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. A mutation in this gene has also been implicated in nonsyndromic retinitis pigmentosa. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-TTC8 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	53759120
NCBI GeneID	123016
NCBI Accession #	NP_653197.2; NP_938051.1; NP_938052.1
NCBI GenBank Nucleotide #	NM_144596.3
UniProt Accession #	Q8TAM2; Q67B97; Q86SY0; Q86TV9; Q86U26; Q8NDH9; Q96DG8; A6NFG2; B3KWA5
Molecular Weight	21,712 Da
NCBI Official Full Name	tetratricopeptide repeat protein 8 isoform A
NCBI Official Synonym Full Names	tetratricopeptide repeat domain 8
NCBI Official Symbol	TTC8
NCBI Official Synonym Symbols	BBS8; RP51
NCBI Protein Information	tetratricopeptide repeat protein 8
UniProt Protein Name	Tetratricopeptide repeat protein 8

UniProt Gene Name	TTC8
UniProt Synonym Gene Names	BBS8; TPR repeat protein 8
UniProt Entry Name	TTC8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/bbs8-ttc8-antibody-flow-cytometry-western-blot-elisa/126494>