Datasheet for ABIN7601040

anti-TTC8 antibody (AA 271-533)

Go to Product page

Overview

Quantity:	100 µg
Target:	TTC8
Binding Specificity:	AA 271-533
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TTC8 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-BBS8/TTC8 Antibody Picoband®
Immunogen:	E.coli-derived human BBS8/TTC8 recombinant protein (Position: E271-Q533).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-BBS8/TTC8 Antibody Picoband® (ABIN7601040). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	TTC8
Alternative Name:	TTC8 (TTC8 Products)
Background:	Synonyms: Inorganic pyrophosphatase, Pyrophosphate phospho-hydrolase, Ppase, PPA1, IOPPP, PP Tissue Specificity: Expressed ubiquitously. Background: 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 ly 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.
Molecular Weight:	23 kDa
Gene ID:	123016
Pathways:	Hedgehog Signaling

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Ansley, S. J., Badano, J. L., Blacque, O. E., Hill, J., Hoskins, B. E., Leitch, C. C., Kim, J. C., Ross, A. J., Eichers, E. R., Teslovich, T. M., Mah, A. K., Johnsen, R. C., Cavender, J. C., Lewis, R. A., Leroux, M. R., Beales, P. L., Katsanis, N. Basal body dysfunction is a likely cause of pleiotropic Bardet-Biedl syndrome. Nature 425: 628-633, 2003. 2. Goyal, S., Jager, M., Robinson, P. N., Vanita, V. Confirmation of TTC8 as a disease gene for nonsyndromic autosomal recessive retinitis pigmentosa (RP51). Clin. Genet. 89: 454-460, 2016. 3. Jin, H., White, S. R., Shida, T., Schulz, S., Aguiar, M., Gygi, S. P., Bazan, J. F., Nachury, M. V. The conserved Bardet-Biedl syndrome proteins assemble a coat that traffics membrane proteins to cilia. Cell 141: 1208-1219, 2010.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.