

Datasheet for ABIN7601649  
**anti-TTC29 antibody (AA 40-460)**



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## Overview

Quantity:	100 µg
Target:	TTC29
Binding Specificity:	AA 40-460
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Flow Cytometry (FACS), Western Blotting (WB)

## Product Details

Purpose:	Anti-TTC29 Antibody Picoband®
Immunogen:	E.coli-derived human TTC29 recombinant protein (Position: D40-R460).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TTC29 Antibody Picoband® (ABIN7601649). Tested in ELISA, WB, Flow Cytometry applications. This antibody reacts with Human. 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:	TTC29
Alternative Name:	TTC29 ( <a href="#">TTC29 Products</a> )
Background:	<p>Synonyms: Pyridine nucleotide-disulfide oxidoreductase domain-containing protein 1, PYROXD1</p> <p>Tissue Specificity: Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon.</p> <p>Background: Involved in cilium movement and cilium organization. Located in sperm flagellum. Implicated in spermatogenic failure 42.</p>
Molecular Weight:	55 kDa
Gene ID:	83894

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Gross, M. B. Personal Communication. Baltimore, Md. 1/10/2019. 2. Liu, C., He, X., Liu, W., Yang, S., Wang, L., Li, W., Wu, H., Tang, S., Ni, X., Wang, J., Gao, Y., Tian, S., and 12 others. Bi-allelic mutations in TTC29 cause male subfertility with asthenoteratospermia in humans and mice. Am. J. Hum. Genet. 105: 1168-1181, 2019. 3. Lores, P., Dacheux, D., Kherraf, Z.-E., Nsota Mbango, J.-F., Coutton, C., Stouvenel, L., Ialy-Radio, C., Amiri-Yekta, A., Whitfield, M., Schmitt, A., Cazin, C., Givélet, M., and 24 others. Mutations in TTC29, encoding an evolutionarily conserved axonemal protein, result in asthenozoospermia and male infertility. Am. J. Hum. Genet. 105: 1148-1167, 2019.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
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 Na <sub>2</sub> HPO <sub>4</sub> .
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.