

Datasheet for ABIN7600646  
**anti-TUBGCP2 antibody (AA 213-888)**



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## Overview

Quantity:	100 µg
Target:	TUBGCP2
Binding Specificity:	AA 213-888
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TUBGCP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

## Product Details

Purpose:	Anti-TUBGCP2 Antibody Picoband®
Immunogen:	E.coli-derived human TUBGCP2 recombinant protein (Position: Q213-R888).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TUBGCP2 Antibody Picoband® (ABIN7600646). Tested in ELISA, IF, ICC, WB 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:	TUBGCP2
Alternative Name:	TUBGCP2 ( <a href="#">TUBGCP2 Products</a> )
Background:	<p>Synonyms: Neutrophil defensin 1,Defensin, alpha 1,HNP-1,HP-1,HP1,HP 1-56,Neutrophil defensin 2,HNP-2,HP-2,HP2,DEFA1,DEF1, DEFA2, MRS,DEFA1B,</p> <p>Tissue Specificity: Expressed in immature but not mature T-cells. Also found in CD34+ cells from peripheral blood, CD34+ precursors from umbilical cord blood and adult bone marrow.</p> <p>Background: Gamma-tubulin complex component 2 is a protein that in humans is encoded by the TUBGCP2 gene. It is part of the gamma tubulin complex, which required formicrotubule nucleation at the centrosome. Gamma-tubulin complex is necessary for microtubule nucleation at the centrosome. Gamma-tubulin complex is composed of gamma-tubulin, TUBGCP2, TUBGCP3, TUBGCP4, TUBGCP5 and TUBGCP6.</p>
Molecular Weight:	103 kDa
Gene ID:	10844
Pathways:	<a href="#">M Phase</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Hartz, P. A. Personal Communication. Baltimore, Md. 12/18/2017. 2. Mitani, T., Punetha, J., Akalin, I., Pehlivan, D., Dawidziuk, M., Akdemir, Z. C., Yilmaz, S., Aslan, E., Hunter, J. V., Hijazi, H., Grochowski, C. M., Jhangiani, S. N., and 25 others. Bi-allelic pathogenic variants in TUBGCP2 cause microcephaly and lissencephaly spectrum disorders. Am. J. Hum. Genet. 105: 1005-1015, 2019. 3. Murphy, S. M., Urbani, L., Stearns, T. The mammalian gamma-tubulin complex contains homologues of the yeast spindle pole body components Spc97p and Spc98p. J. Cell Biol. 141: 663-674, 1998.</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

## Handling

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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.