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Datasheet for ABIN5003312

**anti-TUBGCP3 antibody (AA 401-500) (Alexa Fluor 750)**

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | TUBGCP3  |
| Binding Specificity: | AA 401-500   |
| Reactivity:          | Xenopus laevis   |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This TUBGCP3 antibody is conjugated to Alexa Fluor 750   |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic peptide derived from human GCP3/Gamma-tubulin complex component 3 |
| Isotype:              | IgG  |
| Cross-Reactivity:     | Xenopus laevis   |
| Predicted Reactivity: | Human,Mouse,Rat,Cow,Sheep,Chicken  |
| Purification:         | Purified by Protein A.   |

## Target Details

|         |         |
|---------|---------|
| Target: | TUBGCP3 |
|---------|---------|

## Target Details

|                   |  |
|-------------------|--|
| Alternative Name: | GCP3/Gamma-tubulin complex component 3 ( <a href="#">TUBGCP3 Products</a> )  |
| Background:       | <p>Synonyms: Gamma-ring complex protein 104 kDa, Gamma-tubulin complex component 3, GCP-3, GCP3, GCP3_HUMAN, h104p, hGCP3, hGrip104, hSpc98, SPBC98, Spc98p, Spindle pole body protein Spc98 homolog, TUBGCP3, Tubulin gamma complex associated protein 3.</p> <p>Background: The Gamma-Tubulin complex is composed of Gamma Tubulin and the Gamma-Tubulin complex-associated proteins GCP2, GCP3, GCP4, GCP5 and GCP6, all of which are essential components of microtubule organizing centers. Gamma-Tubulin complex components are localized to both the centrosome, where they are involved in microtubule nucleation, and to the cytoplasm, where they exist as soluble complexes that can be recruited to the centrosome as needed. Although the GCP proteins are related, they have distinct roles which contribute to the proper function of the Gamma-Tubulin complex. GCP3 (Gamma-Tubulin complex component 3), also known as TUBGCP3 or SPBC98, localizes to the centrosome and is a ubiquitously expressed 907 amino acid member of the Gamma-Tubulin complex. Like GCP2 and Gamma Tubulin, GCP3 is conserved in all eukaryotes, suggesting that it is part of a core unit involved in eukaryotic microtubule nucleation. Three isoforms of GCP3 exist due to alternative splicing events.</p> |
| Gene ID:          | 10426  |
| Pathways:         | <a href="#">M Phase</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>   |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200  |
| Restrictions:      | For Research Use only   |
| Handling           |   |
| Format:            | Liquid  |
| Concentration:     | 1 µg/µL   |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative:      | ProClin   |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be                         |

## Handling

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handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months