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## anti-TUBGCP3 antibody (AA 401-500) (AbBy Fluor® 488)



Go to Product page

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 AbBy Fluor® 488
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 (TUBGCP3 Products)
Background:	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.
	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.
Gene ID:	10426
Pathways:	M Phase, SARS-CoV-2 Protein Interactome
Application Details	
Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	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

## Handling

	handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months