10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TUBGCP3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16845b

Product Information

Application	WB, E
Primary Accession	Q96CW5
Other Accession	P58854, NP_006313.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36602
Calculated MW	103571
Antigen Region	787-816

Additional Information

Gene ID	10426
Other Names	Gamma-tubulin complex component 3, GCP-3, hGCP3, Gamma-ring complex protein 104 kDa, h104p, hGrip104, Spindle pole body protein Spc98 homolog, hSpc98, TUBGCP3, GCP3
Target/Specificity	This TUBGCP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 787-816 amino acids from the C-terminal region of human TUBGCP3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TUBGCP3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TUBGCP3
Synonyms	GCP3

Function	Component of the gamma-tubulin ring complex (gTuRC) which mediates microtubule nucleation (PubMed:38305685, PubMed:38609661, PubMed:39321809, PubMed:9566967). The gTuRC regulates the minus-end nucleation of alpha-beta tubulin heterodimers that grow into microtubule protafilaments, a critical step in centrosome duplication and spindle formation (PubMed:38305685, PubMed:38609661, PubMed:39321809).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome
Tissue Location	Ubiquitously expressed.

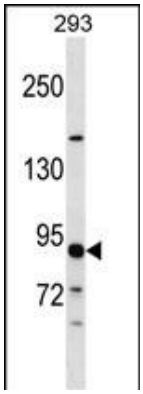
Background

Gamma-tubulin complex is necessary for microtubule nucleation at the centrosome.

References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Fant, X., et al. J. Cell. Sci. 122 (PT 8), 1134-1144 (2009) :
Dunham, A., et al. Nature 428(6982):522-528(2004)
Takahashi, M., et al. Mol. Biol. Cell 13(9):3235-3245(2002)
Haren, L., et al. J. Cell. Sci. 115 (PT 9), 1815-1824 (2002) :

Images



TUBGCP3 Antibody (C-term) (Cat. #AP16845b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the TUBGCP3 antibody detected the TUBGCP3 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.