

TUBGCP2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12746c**Specification**

TUBGCP2 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O9BSJ2
Other Accession	NP_006650.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	102534
Antigen Region	394-423

TUBGCP2 Antibody (Center) - Additional Information**Gene ID** 10844**Other Names**

Gamma-tubulin complex component 2, GCP-2, hGCP2, Gamma-ring complex protein 103 kDa, h103p, hGrip103, Spindle pole body protein Spc97 homolog, hSpc97, TUBGCP2, GCP2

Target/Specificity

This TUBGCP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 394-423 amino acids from the Central region of human TUBGCP2.

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

TUBGCP2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

TUBGCP2 Antibody (Center) - Protein Information**Name** TUBGCP2

Synonyms GCP2

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 protofilaments, a critical step in centrosome duplication and spindle formation (PubMed:[38305685](#), PubMed:[38609661](#), PubMed:[39321809](#)). Plays a role in neuronal migration (PubMed:[31630790](#)).

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

Tissue Location

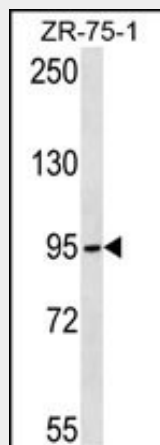
Ubiquitously expressed.

TUBGCP2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TUBGCP2 Antibody (Center) - Images



TUBGCP2 Antibody (Center) (Cat. #AP12746c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the TUBGCP2 antibody detected the TUBGCP2 protein (arrow).

TUBGCP2 Antibody (Center) - Background

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

TUBGCP2 Antibody (Center) - References

Fant, X., et al. J. Cell. Sci. 122 (PT 8), 1134-1144 (2009) :

Rikova, K., et al. Cell 131(6):1190-1203(2007)
Oshimori, N., et al. Nat. Cell Biol. 8(10):1095-1101(2006)
Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005)
Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005)

TUBGCP2 Antibody (Center) - Citations

- [Haploinsufficiency of GCP4 induces autophagy and leads to photoreceptor degeneration due to defective spindle assembly in retina.](#)