

**TUBGCP5 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13577a****Specification**

---

**TUBGCP5 Antibody (N-term) - Product Information**

|                   |                                                              |
|-------------------|--------------------------------------------------------------|
| Application       | IHC-P, WB,E                                                  |
| Primary Accession | <a href="#">Q96RT8</a>                                       |
| Other Accession   | <a href="#">NP_001096080.1</a> , <a href="#">NP_443135.3</a> |
| Reactivity        | Mouse                                                        |
| Host              | Rabbit                                                       |
| Clonality         | Polyclonal                                                   |
| Isotype           | Rabbit IgG                                                   |
| Calculated MW     | 118321                                                       |
| Antigen Region    | 172-201                                                      |

**TUBGCP5 Antibody (N-term) - Additional Information****Gene ID** 114791**Other Names**

Gamma-tubulin complex component 5, GCP-5, TUBGCP5, GCP5, KIAA1899

**Target/Specificity**

This TUBGCP5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 172-201 amino acids from the N-terminal region of human TUBGCP5.

**Dilution**

IHC-P~~1:10~50

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**

TUBGCP5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TUBGCP5 Antibody (N-term) - Protein Information****Name** TUBGCP5

**Synonyms** GCP5, KIAA1899

**Function** Component of the gamma-tubulin ring complex (gTuRC) which mediates microtubule nucleation (PubMed:[38305685](#), PubMed:[38609661](#), PubMed:[39321809](#)). 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](#)).

**Cellular Location**

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

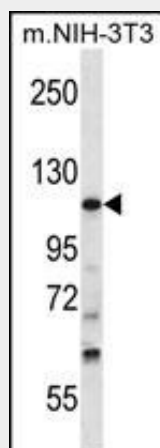
**Tissue Location**

Widely expressed, with highest levels in heart and skeletal muscle and moderate levels in brain

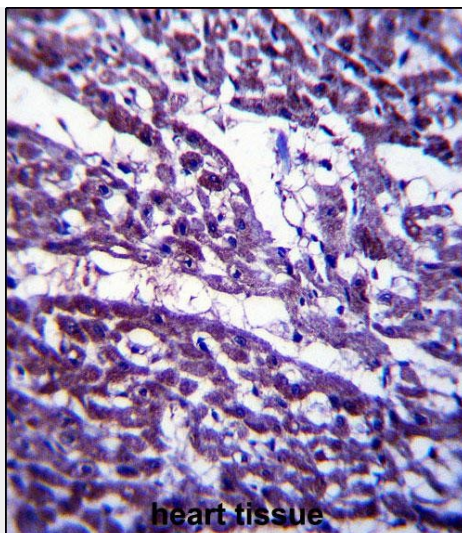
**TUBGCP5 Antibody (N-term) - Protocols**

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](#)

**TUBGCP5 Antibody (N-term) - Images**

TUBGCP5 Antibody (N-term) (Cat. #AP13577a) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the TUBGCP5 antibody detected the TUBGCP5 protein (arrow).



TUBGCP5 Antibody (N-term) (Cat. #AP13577a) immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TUBGCP5 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **TUBGCP5 Antibody (N-term) - Background**

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

#### **TUBGCP5 Antibody (N-term) - References**

Izumi, N., et al. J. Biol. Chem. 283(19):12981-12991(2008)  
Bittel, D.C., et al. Pediatrics 118 (4), E1276-E1283 (2006) :  
Chai, J.H., et al. Am. J. Hum. Genet. 73(4):898-925(2003)  
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) :