



## Rabbit Anti-GCP4 antibody

SL13320R

<b>Product Name:</b>	GCP4
<b>Chinese Name:</b>	$\gamma$ -微管蛋白GCP4抗体
<b>Alias:</b>	76P; FLJ14797; Gamma tubulin complex component 4; Gamma tubulin ring complex protein (76p gene); Gamma tubulin ring complex protein; GCP 4; GCP4; h76p; hGCP4; Hgrip76; TUBGCP 4; TUBGCP4; Tubulin gamma complex associated protein 4; GCP4 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	76kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human GCP4:101-200/667
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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. GCP4 (gamma-tubulin complex component 4), also known as TUBGCP4, is a ubiquitously expressed 667 amino acid member of the gamma-Tubulin complex that localizes to the metaphase spindle during mitosis. In response to proteasome inhibition, GCP4 exhibits increased accumulation at the pericentriolar material where it participates in microtubule organization and nucleation.

**Function:**

GCP4 is a component of the gamma-tubulin complex which is necessary for microtubule nucleation at the centrosome. GCP4 shows sequence identity with the C-terminal regions of human centrosomal proteins 103p (TUBGCP2) and 104p (TUBGCP3).

**Subunit:**

Gamma-tubulin complex is composed of gamma-tubulin, TUBGCP2, TUBGCP3, TUBGCP4, TUBGCP5 and TUBGCP6. Interacts with NINL.

**Subcellular Location:**

Centrosome.

**Tissue Specificity:**

Ubiquitously expressed.

**Similarity:**

Belongs to the TUBGCP family.

**SWISS:**

Q9UGJ1

**Gene ID:**

27229

**Database links:**

[Entrez Gene: 27229](#)Human

[Entrez Gene: 51885](#)Mouse

[Omim: 609610](#)Human

[SwissProt: Q9UGJ1](#)Human

[SwissProt: Q9D4F8](#)Mouse

[Unigene: 584887](#)Human

[Unigene: 383499](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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