

Product datasheet for **AP01473PU-N**

GCP4 (TUBGCP4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1/500-1/1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	GCP4 antibody detects endogenous levels of GCP4 protein. (region surrounding Leu225)
Formulation:	Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 76 kDa
Gene Name:	tubulin gamma complex associated protein 4
Database Link:	Entrez Gene 51885 Mouse Entrez Gene 27229 Human Q9UGJ1

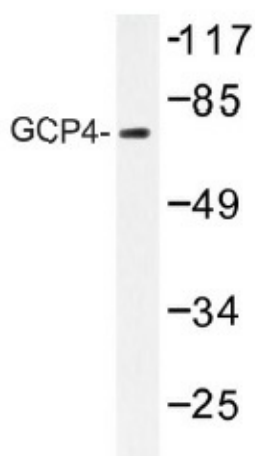


Background:

The γ -Tubulin complex is composed of γ Tubulin and the γ -Tubulin complex associated proteins GCP2, GCP3, GCP4, GCP5 and GCP6, all of which are essential components of microtubule organizing centers. γ -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 γ -Tubulin complex. GCP4 (γ -Tubulin complex component 4), also known as TUBGCP4, is a ubiquitously expressed 667 amino acid member of the γ -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.

Synonyms:

GCP-4, GCP4, Grip76, 76P

Product images:


Western blot (WB) analysis of GCP4 antibody (Cat.-No.: AP01473PU-N) in extracts from COLO cell.