

## GCP4 Polyclonal Antibody

<b>Catalog No :</b>	YT1880
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	GCP4
<b>Gene Name :</b>	TUBGCP4
<b>Protein Name :</b>	Gamma-tubulin complex component 4
<b>Human Gene Id :</b>	27229
<b>Human Swiss Prot No :</b>	Q9UGJ1
<b>Mouse Gene Id :</b>	51885
<b>Mouse Swiss Prot No :</b>	Q9D4F8
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human TUBGCP4. AA range:191-240
<b>Specificity :</b>	GCP4 Polyclonal Antibody detects endogenous levels of GCP4 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 76kD

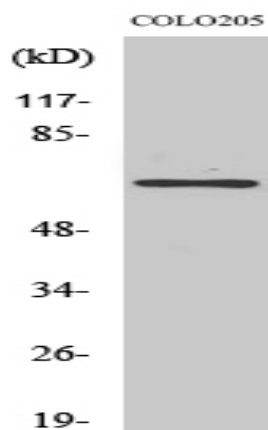
**Background :** This gene encodes a component of the gamma-tubulin ring complex, which is required for microtubule nucleation. In mammalian cells, the protein localizes to centrosomes in association with gamma-tubulin. Crystal structure analysis revealed a structure composed of five helical bundles arranged around conserved hydrophobic cores. An exposed surface area located in the C-terminal domain is essential and sufficient for direct binding to gamma-tubulin. Mutations in this gene that alter microtubule organization are associated with microcephaly and chorioretinopathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2015],

**Function :** function:Gamma-tubulin complex is necessary for microtubule nucleation at the centrosome.,similarity:Belongs to the GCP family.,subunit:Gamma-tubulin complex is composed of gamma-tubulin, GCP2, GCP3, GCP4, GCP5 and GCP6.,tissue specificity:Ubiquitously expressed.,

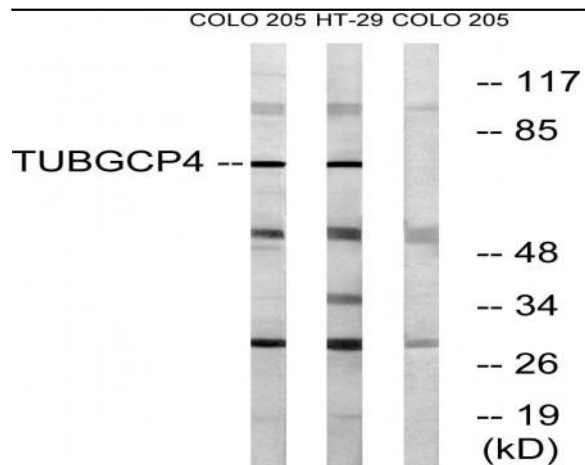
**Subcellular Location :** Cytoplasm, cytoskeleton, microtubule organizing center, centrosome.

**Expression :** Ubiquitously expressed.

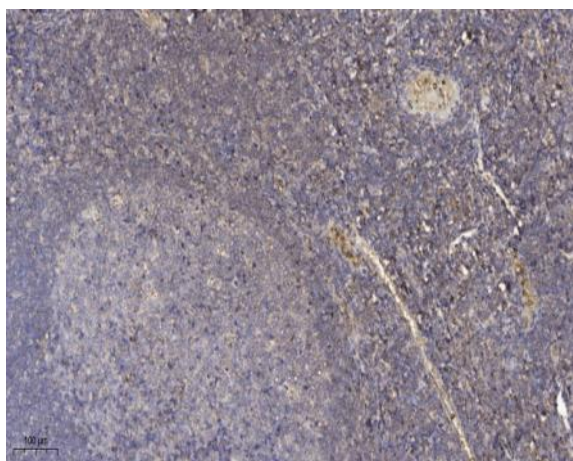
## Products Images



Western Blot analysis of various cells using GCP4 Polyclonal Antibody



Western blot analysis of lysates from COLO and HT-29 cells, using TUBGCP4 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).