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GCP3 Polyclonal Antibody

Catalog # AP70062

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q96CW5
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	103571

Additional Information

Gene ID	10426
Other Names	TUBGCP3; GCP3; Gamma-tubulin complex component 3; GCP-3; hGCP3; Gamma-ring complex protein 104 kDa; h104p; hGrip104; Spindle pole body protein Spc98 homolog; hSpc98
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

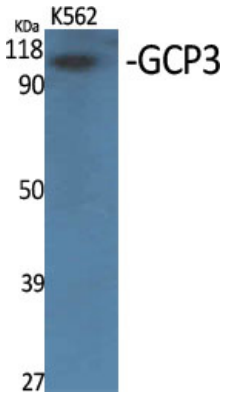
Protein Information

Name	TUBGCP3
Synonyms	GCP3
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 protafilaments, 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	Ubiquitously expressed.

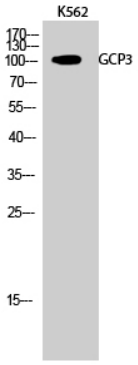
Background

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

Images



Western Blot analysis of various cells using GCP3 Polyclonal Antibody



Western Blot analysis of K562 cells using GCP3 Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.