

GCP5 Polyclonal Antibody

Catalog # AP70064

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q96RT8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	118321

Additional Information

Gene ID	114791
Other Names	TUBGCP5; GCP5; KIAA1899; Gamma-tubulin complex component 5; GCP-5
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. 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°C

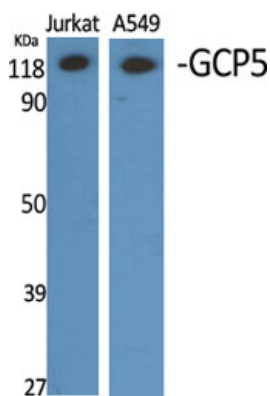
Protein Information

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

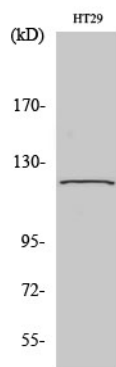
Background

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

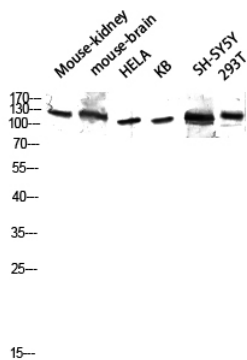
Images



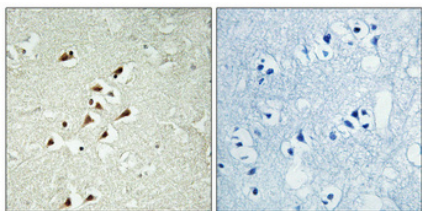
Western Blot analysis of various cells using GCP5 Polyclonal Antibody diluted at 1 : 2000



Western Blot analysis of 293 cells using GCP5 Polyclonal Antibody diluted at 1 : 2000



Western blot analysis of Mouse-kidney mouse-brain HELA KB SH-SY5Y 293T lysis using GCP5 antibody. Antibody was diluted at 1:2000



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

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