

Anti-GPC5 Antibody

Catalog # AP59888

Product Information

Application	WB, IHC
Primary Accession	Q96RT8
Reactivity	Human, Bovine, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	118321

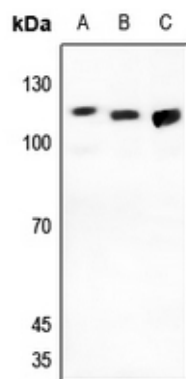
Additional Information

Gene ID	114791
Other Names	GCP5; KIAA1899; Gamma-tubulin complex component 5; GCP-5
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPC5. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

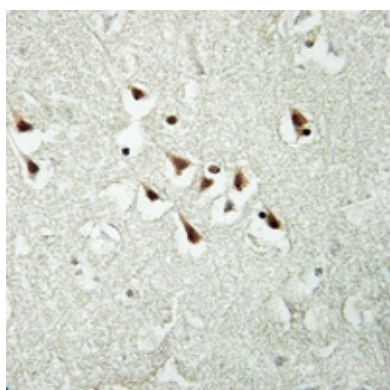
Protein Information

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

Images



Western blot analysis of GPC5 expression in HEK293T (A), HeLa (B), HGC27 (C) whole cell lysates. (Predicted band size: 118 kD; Observed band size: 118 kD)



Immunohistochemical analysis of GPC5 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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