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Anti-GCP2 Antibody

Catalog # AP60173

Product Information

Application	WB, IF/IC
Primary Accession	Q9BSJ2
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	102534

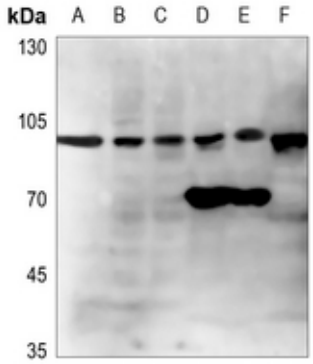
Additional Information

Gene ID	10844
Other Names	GCP2; Gamma-tubulin complex component 2; GCP-2; hGCP2; Gamma-ring complex protein 103 kDa; h103p; hGrip103; Spindle pole body protein Spc97 homolog; hSpc97
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GCP2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
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

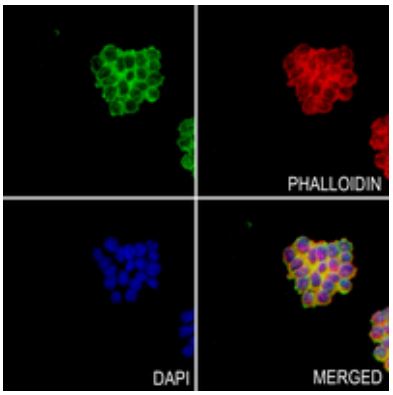
Protein Information

Name	TUBGCP2
Synonyms	GCP2
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). Plays a role in neuronal migration (PubMed:31630790).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome
Tissue Location	Ubiquitously expressed.

Images



Western blot analysis of GCP2 expression in HEK293T (A), A549 (B), H446 (C), mouse liver (D), mouse kidney (E), rat liver (F) whole cell lysates. (Predicted band size: 102 kD; Observed band size: 103 kD)



Immunofluorescent analysis of GCP2 staining in MDAMB231 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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