ARG65446
anti-gamma Tubulin complex component 2 antibody [GCP2-01]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [GCP2-01] recognizes gamma Tubulin complex component 2
Tested Reactivity	Hu, Ms, Rat, Pig
Tested Application	ICC/IF, IP, WB
Specificity	The clone GCP2-01 recognizes gamma-Tubulin complex component 2 (GCP2), a 95-103 kDa protein. It also recognizes phosphorylated GCP2.
Host	Mouse
Clonality	Monoclonal
Clone	GCP2-01
Isotype	IgG2b
Target Name	gamma Tubulin complex component 2
Species	Mouse
Immunogen	GST-fusion protein containing amino acids 2-194 of mouse GCP2
Conjugation	Un-conjugated
Alternate Names	GCP2; Grip103; h103p; hGrip103; GCP-2; hGCP2; hSpc97; SPBC97; Gamma-ring complex protein 103 kDa; Gamma-tubulin complex component 2; Spc97p; Spindle pole body protein Spc97 homolog

Application Instructions

Application table

Application	Dilution
ICC/IF	Assay-dependent
IP	Assay-dependent
WB	Assay-dependent

Application Note: WB: Used with reducing conditions.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from cell culture supernatant by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 10844 Human GeneID: 74237 Mouse Swiss-port # Q921G8 Mouse Swiss-port # Q9BSJ2 Human
Gene Symbol	Tubgcp2
Gene Full Name	tubulin, gamma complex associated protein 2
Background	gamma Tubulin complex component 2 (GCP2) is 95-103 kDa protein which associates with two molecules of gamma Tubulin and one molecule of gamma Tubulin complex component 3 (GCP3), to form the gamma Tubulin small complexes (gammaTuSCs). These complexes interact with GCP4, 5, and 6 to form the gamma Tubulin ring complexes (gammaTuRCs), which are embedded in the microtubule organizing center matrix where they nucleate microtubules. The gammaTuRCs are also involved in the regulation of microtubule plus and minus end dynamics. Components of gamma Tubulin complexes are highly conservative in eukaryotes.
Function	Gamma-tubulin complex is necessary for microtubule nucleation at the centrosome. [UniProt]
Research Area	Controls and Markers antibody; Signaling Transduction antibody
Calculated Mw	103 kDa