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KD-Validated Anti-gamma Tubulin Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1490

Product Information

Application	WB, FC
Primary Accession	P23258
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB4805
Calculated MW	51170
Gene Name	TUBG1
Aliases	TUBG1; Tubulin Gamma 1; TUBGCP1; TUBG; Gamma-Tubulin Complex Component 1; Tubulin, Gamma Polypeptide; Tubulin Gamma-1 Chain; GCP-1; Tubulin, Gamma 1; Gamma-1-Tubulin; CDCBM4
Immunogen	A synthesized peptide derived from human Tubulin gamma

Additional Information

Gene ID	7283
Other Names	Tubulin gamma-1 chain, Gamma-1-tubulin, Gamma-tubulin complex component 1, GCP-1, TUBG1 (HGNC:12417), TUBG

Protein Information

Name	TUBG1 (HGNC:12417)
Synonyms	TUBG
Function	Tubulin is the major constituent of microtubules, protein filaments consisting of alpha- and beta-tubulin heterodimers (PubMed:38305685, PubMed:38609661, PubMed:39321809). Gamma-tubulin is a key 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 protafilaments, a critical step in centrosome duplication and spindle formation (PubMed:38305685, PubMed:38609661, PubMed:39321809). Plays a role in sperm morphological development during late stage spermiogenesis, particularly the anchoring of the sperm head to the tail (PubMed:38870534).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle. Note=Localizes to mitotic spindle

microtubules.

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