
Product Name: KD-Validated Gamma Tubulin Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01156

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 51.2kDa

Antigen Information

Gene Name	TUBG1 TUBG1; Tubulin Gamma 1; TUBGCP1; TUBG; Gamma-Tubulin Complex Component 1;
Alternative Names	Tubulin, Gamma Polypeptide; Tubulin Gamma-1 Chain; GCP-1; Tubulin, Gamma 1; Gamma-1-Tubulin; CDCBM4
Gene ID	7283.0
SwissProt ID	P23258
Immunogen	A synthesized peptide derived from human Tubulin gamma

Background

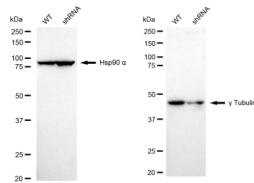
This gene encodes a member of the tubulin superfamily. The encoded protein localizes to the centrosome where it binds to microtubules as part of a complex referred to as the gamma-tubulin ring complex. The protein mediates microtubule

nucleation and is required for microtubule formation and progression of the cell cycle. A pseudogene of this gene is found on chromosome 7. [provided by RefSeq, Jan 2009]

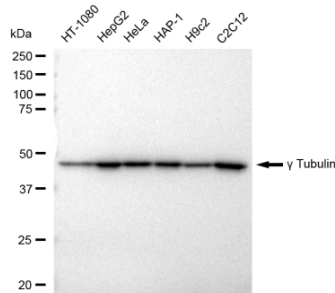
Research Area

Signal Transduction

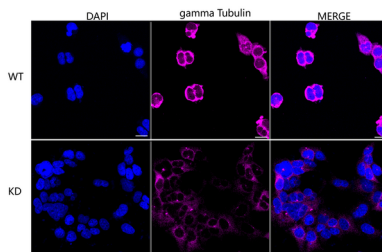
Image Data



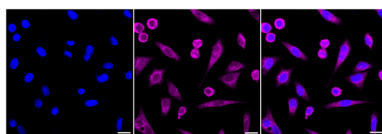
Western blotting analysis using gamma Tubulin antibody (KVA01156). gamma Tubulin expression in wild type (WT) and gamma Tubulin shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with gamma Tubulin antibody (KVA01156, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



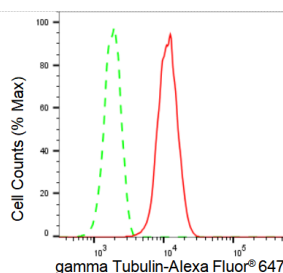
Western blotting analysis using gamma Tubulin antibody (KVA01156). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with gamma Tubulin antibody (KVA01156, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using gamma Tubulin antibody (KVA01156, 1:1,000), Top panel: wild-type (WT); Bottom panel: gamma Tubulin shRNA knockdown (KD). Nuclei were stained blue with DAPI; gamma Tubulin was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm. Permeabilization: Triton.



Immunocytochemical staining of HepG2 cells with Gamma Tubulin antibody (KVA01156, 1:1,000). Nuclei were stained blue with DAPI; Gamma Tubulin was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of gamma Tubulin expression in HepG2 cells using gamma Tubulin antibody (KVA01156, 1:2,000). Green, isotype control; red, gamma Tubulin.