Product Datasheet

gamma Tubulin Rabbit mAb

Catalog No: #49346

Package Size: #49346-1 50ul #49346-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

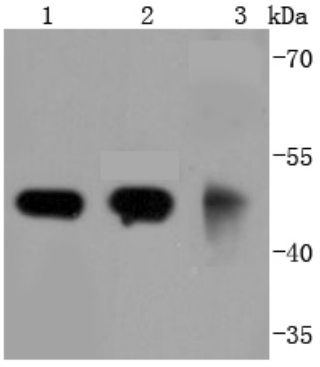
Description

Product Name	gamma Tubulin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JF0972
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt, Monkey, Chicken, Hamster, Cow, Dog, Fish, Xenopus tropicalis
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	Gamma 1 tubulin antibody Gamma 2 tubulin antibody Gamma Tubulin 1 antibody Gamma Tubulin 2 antibody Gamma tubulin complex component 1 antibody Gamma-2-tubulin antibody GCP 1 antibody GCP1 antibody MGC131994 antibody TBG2_HUMAN antibody TUBG antibody TUBG1 antibody TUBG2 antibody TUBGCP1 antibody Tubulin gamma 1 chain antibody Tubulin gamma 2 chain antibody Tubulin gamma complex-associated protein 1 antibody Tubulin gamma-2 chain antibody tubulin, gamma 1 antibody tubulin, gamma 2 antibody tubulin, gamma polypeptide antibody Xgam antibody
Accession No.	Swiss-Prot#:P23258
Calculated MW	51 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

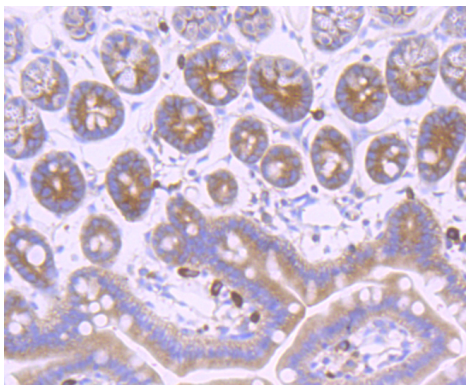
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

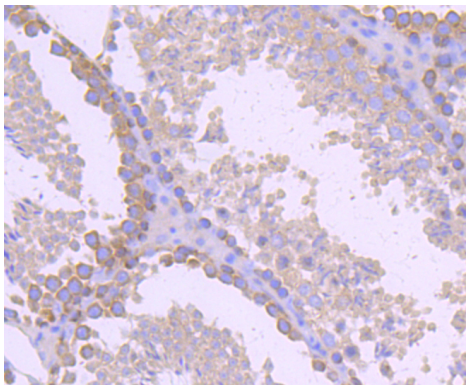
Images



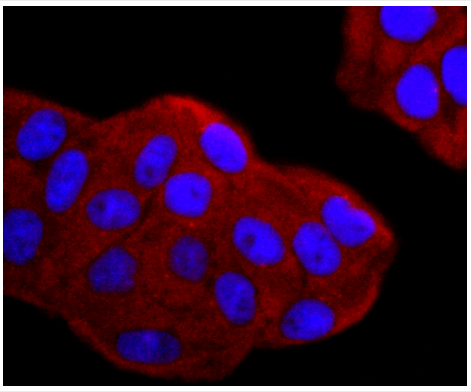
Western blot analysis of gamma Tubulin on different lysates using anti-gamma Tubulin antibody at 1/1,000 dilution.
Positive control: Lane 1: A431 Lane 2: Jurkat Lane 3: Mouse brain



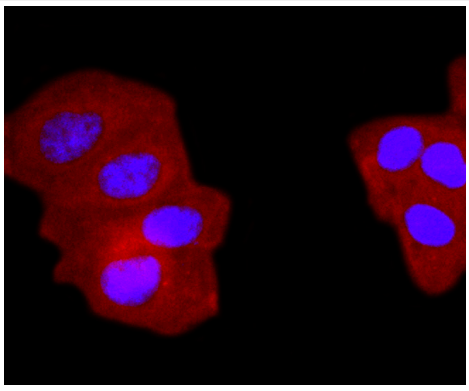
Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-gamma Tubulin antibody. Counter stained with hematoxylin.



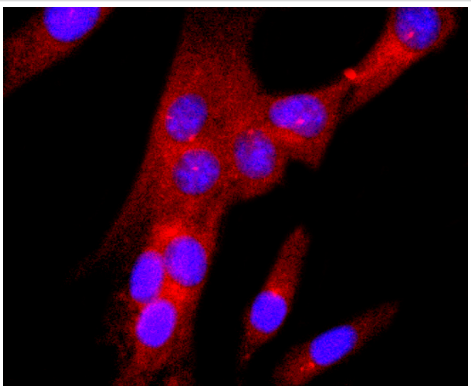
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-gamma Tubulin antibody. Counter stained with hematoxylin.



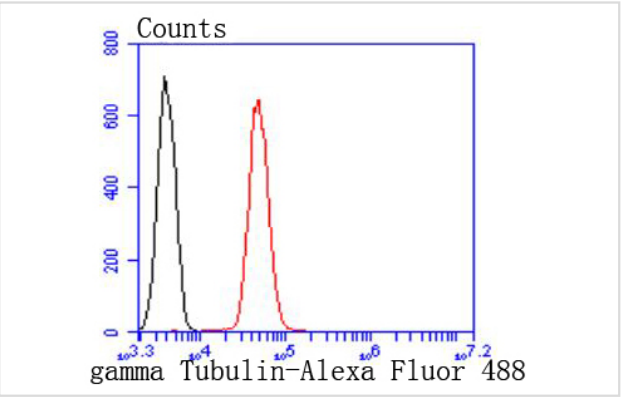
ICC staining gamma Tubulin in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining gamma Tubulin in MCF-7 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining gamma Tubulin in SHG-44 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Jurkat cells with gamma Tubulin antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Tubulin is a major cytoskeleton component that has five distinct forms, designated α, β, γ, δ and e Tubulin. α and β Tubulins form heterodimers which multimerize to form a microtubule filament. Multiple β Tubulin isoforms (β1, β2, β3, β4, β5, β6 and β8) have been characterized and are expressed in mammalian tissues. β1 and β4 are present throughout the cytosol, β2 is present in the nuclei and nucleoplasm, and β3 is a neuron-specific cytoskeletal protein. γ Tubulin forms the gammasome, which is required for nucleating microtubule filaments at the centrosome. Both δ Tubulin and e Tubulin are associated with the centrosome. δ Tubulin is a homolog of the Chlamydomonas δ Tubulin Uni3 and is found in association with the centrioles, whereas e Tubulin localizes to the pericentriolar material. e Tubulin exhibits a cell-cycle-specific pattern of localization, first associating with only the older of the centrosomes in a newly duplicated pair and later associating with both centrosomes.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.