

gamma Tubulin Rabbit mAb

Catalog No: #49346

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

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

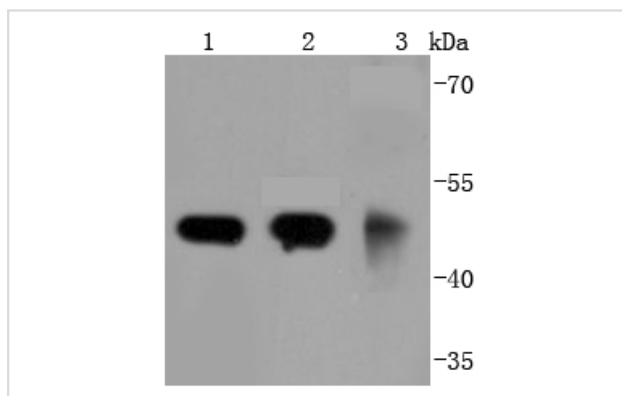
Description

Product Name	gamma Tubulin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
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
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
Uniprot	P23258
GeneID	7283;
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

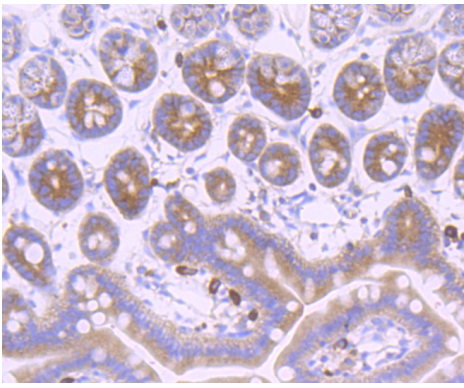
WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

Images

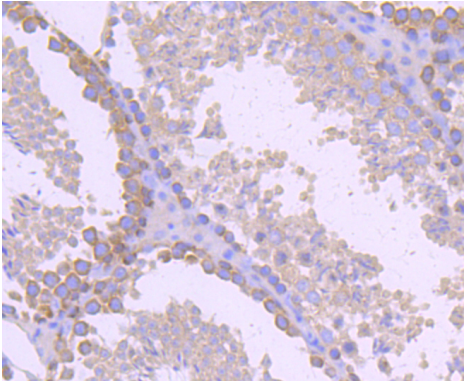


Western blot analysis of gamma Tubulin on different lysates using anti-gamma Tubulin antibody at 1/1,000 dilution.

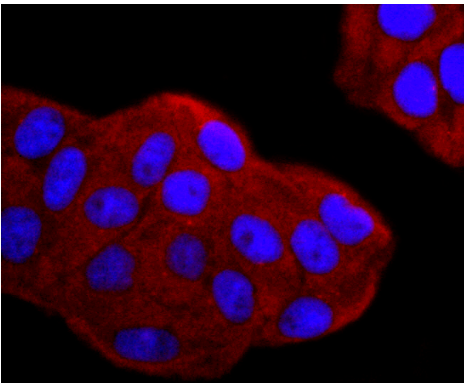
Positive control: Lane 1: A431 Lane 2: Jurkat Lane 3: Mouse brain



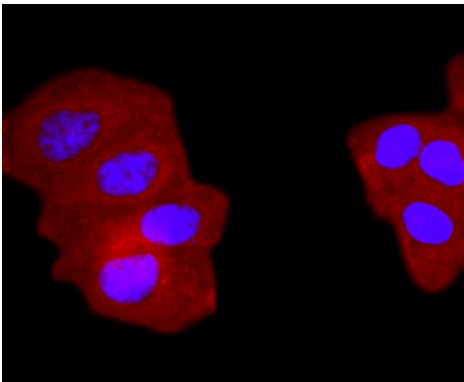
Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-gamma Tubulin antibody. Counter stained with hematoxylin.



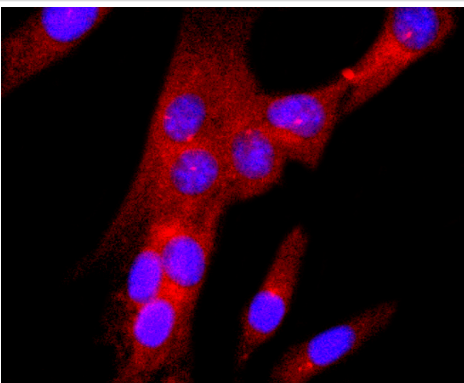
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-gamma Tubulin antibody. Counter stained with hematoxylin.



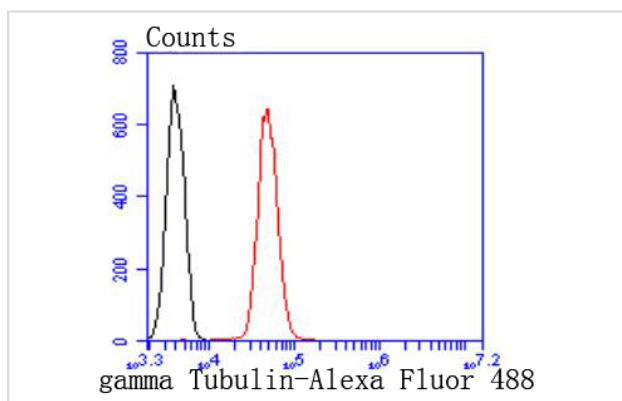
ICC staining gamma Tubulin in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



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 ϵ Tubulin. α and β Tubulins form heterodimers which multimerize to form a microtubule filament. Multiple β Tubulin isoforms ($\beta 1$, $\beta 2$, $\beta 3$, $\beta 4$, $\beta 5$, $\beta 6$ and $\beta 8$) have been characterized and are expressed in mammalian tissues. $\beta 1$ and $\beta 4$ are present throughout the cytosol, $\beta 2$ is present in the nuclei and nucleoplasm, and $\beta 3$ 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 ϵ 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 ϵ Tubulin localizes to the pericentriolar material. ϵ 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