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gamma Tubulin Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22339a

Specification

gamma Tubulin Antibody - Product Information

Application	**WB, FC,E**
Primary Accession	Q8VCK3
Reactivity	**Mouse**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**51122**

gamma Tubulin Antibody - Additional Information

Gene ID 103768

Other Names
Tubulin gamma-2 chain, Gamma-2-tubulin, Tubg2

Target/Specificity
This gamma Tubulin antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 400-434 amino acids from the mouse region of mouse gamma Tubulin.

Dilution
WB~~1:2000
FC~~1:25

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
gamma Tubulin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

gamma Tubulin Antibody - Protein Information

Name Tubg2

Function Tubulin is the major constituent of microtubules. The gamma chain is found at microtubule organizing centers (MTOC) such as the spindle poles or the centrosome. Pericentriolar matrix component that regulates alpha/beta chain minus-end nucleation, centrosome duplication

and spindle formation (By similarity).

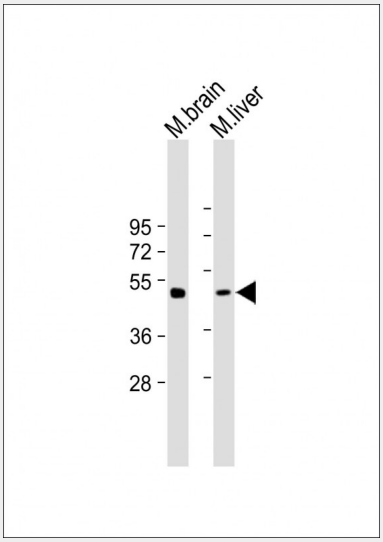
Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Mainly localizes to the centrosome, but a fraction is found outside of the centrosome in the cytoplasm

gamma Tubulin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

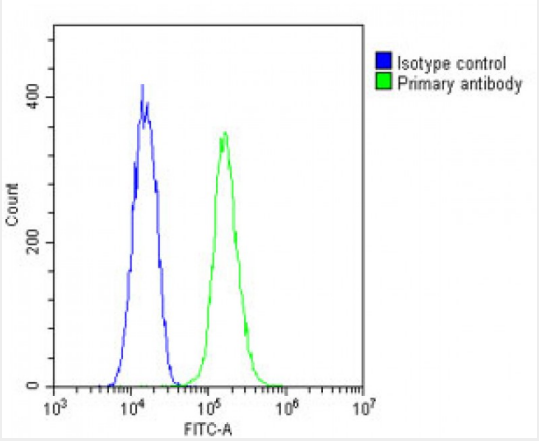
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

gamma Tubulin Antibody - Images



All lanes : Anti-gamma Tubulin Antibody at 1:2000 dilution Lane 1: Mouse brain lysate Lane 2: Mouse liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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Overlay histogram showing C2C12 cells stained with AP22339a(green line). The cells were fixed with 2% paraformaldehyde and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at Room temperature. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

gamma Tubulin Antibody - Background

Tubulin is the major constituent of microtubules. The gamma chain is found at microtubule organizing centers (MTOC) such as the spindle poles or the centrosome. Pericentriolar matrix component that regulates alpha/beta chain minus-end nucleation, centrosome duplication and spindle formation (By similarity).

gamma Tubulin Antibody - References

Alvarado-Kristensson M.,et al.Nat. Cell Biol. 11:1081-1092(2009).