



Rabbit Anti-gamma Tubulin monoclonal antibody, clone KG1083 (CABT-L870)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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|------------------------------|---|
| Target | gamma Tubulin |
| Immunogen | Recombinant protein |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human, Mouse, Rat, Monkey, Chicken, Hamster, Cow, Dog, Fish, Xenopus tropicalis |
| Clone | KG1083 |
| Purification | Protein A purified. |
| Conjugate | Unconjugated |
| Applications | WB, ICC/IF, IHC, IP, FC |
| Molecular Weight | 51 kDa |
| Cellular Localization | Cytoplasm. |
| Positive Control | Jurkat, MCF-7, HeLa, SHG-44, mouse testis tissue, mouse colon tissue. |
| Format | Liquid |
| Size | 100 µl |
| Buffer | 1×TBS (pH7.4), 1% BSA, 40% Glycerol. |
| Preservative | 0.05% Sodium Azide |

Storage

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

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 ($\beta 1$, $\beta 2$, $\beta 3$, $\beta 4$, $\beta 5$, $\beta 6$ 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 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.

Keywords

Gamma 1 tubulin;Gamma 2 tubulin;Gamma Tubulin 1;Gamma Tubulin 2;Gamma tubulin complex component 1;Gamma-2-tubulin;GCP 1;GCP1;MGC131994;TBG2_HUMAN;TUBG;TUBG1;TUBG2;TUBGCP1;Tubulin gamma 1 chain;Tubulin gamma 2 chain;Tubulin gamma complex-associated protein 1;Tubulin gamma-2 chain;tubulin, gamma 1;tubulin, gamma 2;tubulin, gamma polypeptide;Xgam antibody
