



# 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

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

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<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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## BACKGROUND

<b>Introduction</b>	Tubulin is a major cytoskeleton component that has five distinct forms, designated $\alpha$ , $\beta$ , $\gamma$ , $\delta$ and $\epsilon$ Tubulin. $\alpha$ and $\beta$ Tubulins form heterodimers which multimerize to form a microtubule filament. Multiple $\beta$ 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. $\gamma$ Tubulin forms the gammasome, which is required for nucleating microtubule filaments at the centrosome. Both $\delta$ Tubulin and $\epsilon$ Tubulin are associated with the centrosome. $\delta$ Tubulin is a homolog of the Chlamydomonas $\delta$ Tubulin Uni3 and is found in association with the centrioles, whereas $\epsilon$ Tubulin localizes to the pericentriolar material. $\epsilon$ 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.
<b>Keywords</b>	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

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