

bs-1322R**[Primary Antibody]****gamma tubulin Rabbit pAb****Bioss**
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— DATASHEET —

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| Host: Rabbit | Isotype: IgG | Applications: ELISA (1:5000-10000) |
| Clonality: Polyclonal | | Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Cow, Chicken, Dog, GuineaPig, Horse) |
| GeneID: 27175 | SWISS: P23258 | Predicted MW.: 50 kDa |
| Target: gamma tubulin | | Subcellular Location: Cytoplasm |
| Immunogen: KLH conjugated synthetic peptide derived from human Tubulin gamma-1 chain: 351-451/451. | | |
| Purification: affinity purified by Protein A | | |
| Concentration: 1mg/ml | | |
| Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. | | |
| Background: Gamma tubulin, a member of the tubulin superfamily, is a ubiquitous and highly conserved protein within the microtubule organizing centre (MTOC). Gamma tubulin is not a component of microtubules, rather it functions as the microtubule nucleator at the MTOC, is responsible for binding microtubule minus ends and mediating the link between microtubules and the centrosome. By binding to the beta tubulin subunit of the tubulin molecule, it establishes the polarity of a microtubule leaving the alpha tubulin subunit exposed at the positive end. The abundance of Gamma tubulin is less than 1% of the level of either alpha or beta tubulin. It shares approximately 28-32% identity with alpha tubulin from various organisms and 32-36% identity with beta tubulins. The detection, localization and characterization of proteins involved in microtubule function is fundamental to the understanding of mitosis, meiosis and the microtubule cytoskeleton. | | |

— SELECTED CITATIONS —

- **[IF=4.44]** Katzenell, Sarah, and David A. Leib. "Herpes simplex virus and interferon signaling induce novel autophagic clusters in sensory neurons." Journal of Virology (2016): JVI-02908. Other ;="Mouse". 26912623