

# Immunotag™ Gamma Tubulin mouse Monoclonal Antibody(6C12)

| Antibody Specification |                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No.            | ITM3653                                                                                                                                                            |
| Product Description    | Immunotag™ Gamma Tubulin mouse Monoclonal Antibody(6C12)                                                                                                           |
| Size                   | 50 µg, 100 µg                                                                                                                                                      |
| Conjugation            | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647                                      |
| IMPORTANT NOTE         | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return. |
| Target Protein         | Gamma-Tubulin (6C12)                                                                                                                                               |
| Clonality              | Monoclonal                                                                                                                                                         |
| Storage/Stability      | -20°C/1 year                                                                                                                                                       |
| Application            | WB,IHC-p                                                                                                                                                           |
| Recommended Dilution   | WB 1:1000-2000, IHC 1:100-200                                                                                                                                      |
| Concentration          | 1 mg/ml                                                                                                                                                            |
| Reactive Species       | Human,Rat,Mouse                                                                                                                                                    |
| Host Species           | Mouse                                                                                                                                                              |
| Immunogen              | Synthetic Peptide of Gamma Tubulin                                                                                                                                 |
| Specificity            | Gamma Tubulin protein detects endogenous levels of TUBG1                                                                                                           |
| Purification           | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen                                                          |
| Form                   | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                            |
| Gene Name              | TUBG1                                                                                                                                                              |
| Accession No.          | P23258 P83887 P83888                                                                                                                                               |
| Alternate Names        | TUBG1                                                                                                                                                              |

## Antibody Specification

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description              | tubulin gamma 1(TUBG1) Homo sapiens This gene encodes a member of the tubulin superfamily. The encoded protein localizes to the centrosome where it binds to microtubules as part of a complex referred to as the gamma-tubulin ring complex. The protein mediates microtubule nucleation and is required for microtubule formation and progression of the cell cycle. A pseudogene of this gene is found on chromosome 7. [provided by RefSeq, Jan 2009], |
| Protein Expression       | Mammary cancer,Skin,                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Subcellular Localization | pericentriolar material,condensed nuclear chromosome,gamma-tubulin complex,cytoplasm,centrosome,centriole,polar microtubule,cytosol,microtubule,cytoplasmic microtubule,cell leading edge,nonmotile primary cilium,ciliary basal                                                                                                                                                                                                                           |
| Protein Function         | function:Tubulin is the major constituent of microtubules. Gamma tubulin is found at microtubule organizing centers (MTOC) such as the spindle poles or the centrosome, suggesting that it is involved in the minus-end nucleation of microtubule assembly.,mass spectrometry: PubMed:11840567,similarity:Belongs to the tubulin family.,subunit:Interacts with GCP2 and GCP3. Interacts with B9D2.,                                                       |
| Usage                    | For Research Use Only! Not for diagnostic or therapeutic procedures.                                                                                                                                                                                                                                                                                                                                                                                       |