

## $\beta$ -Tubulin (5G3) Mouse mAb (HRP)

CatalogNo: YM2208

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human, Mouse, Rat, Mk, Dg, Ch, Hamster, Rabbit, sheep, Insect, Yeast

#### Applications

- WB, IHC, IF

#### MW

- 55kD  
(Observed)

#### Conjugate

- HRP

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:1000-1:3000**

**IHC 1:50-1:200**

**IF 1:200**

### Basic Information

**Clonality** Monoclonal

**Clone Number** 5G3

### Immunogen Information

**Immunogen** Recombinant Protein of  $\beta$ -tubulin (HRP Conjugated)

**Specificity** The  $\beta$ -tubulin antibody can detect endogenous  $\beta$ -tubulin protein.

## Target Information

**Gene name** TUBB

**Protein Name** Tubulin beta chain (Tubulin beta-5 chain)

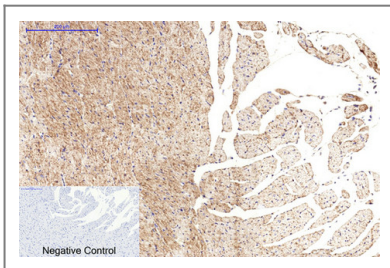
Organism	Gene ID	UniProt ID
Human	<a href="#">203068</a> ;	<a href="#">P07437</a> ;
Mouse		<a href="#">P99024</a> ;
Rat		<a href="#">P69897</a> ;

**Cellular Localization** Cytoplasm , cytoskeleton .

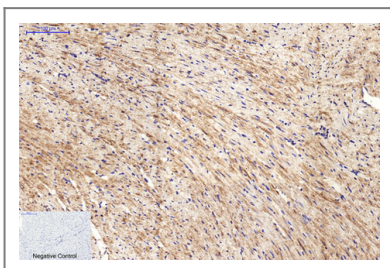
**Tissue specificity** Ubiquitously expressed with highest levels in spleen , thymus and immature brain.

**Function** Domain:The highly acidic C-terminal region may bind cations such as calcium. ,Function:Tubulin is the major constituent of microtubules. It binds two moles of GTP , one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha-chain. ,online information:Tubulin entry ,similarity:Belongs to the tubulin family. ,subunit:Dimer of alpha and beta chains. ,tissue specificity:Ubiquitously expressed with highest levels in spleen , thymus and immature brain. ,

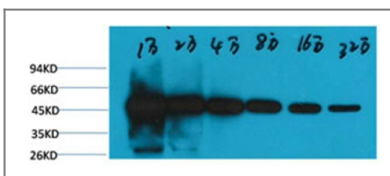
## Validation Data



Immunohistochemical analysis of paraffin-embedded Rat-heart tissue. 1,  $\beta$ -tubulin (HRP Conjugated) Monoclonal Antibody (5G3) was diluted at 1:200 (4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-heart tissue. 1,  $\beta$ -tubulin (HRP Conjugated) Monoclonal Antibody (5G3) was diluted at 1:200 (4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



Western blot analysis of HeLa, with  $\beta$ -tubulin-HRP Conjugated diluted at 1:10,000, 20,000, 40,000, 80,000, 160,000, 320,000.

## | Contact information

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Please scan the QR code to access additional product information:  
 **$\beta$ -Tubulin (5G3)**  
**Mouse mAb (HRP)**

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