

# β-Tubulin Rabbit mAb

Catalog No.: A12289 **Recombinant** **85 Publications**

## Basic Information

### Observed MW

55 kDa

### Calculated MW

50 kDa

### Category

Primary antibody

### Applications

WB,IP,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC0203

## Background

This gene encodes a beta tubulin protein. This protein forms a dimer with alpha tubulin and acts as a structural component of microtubules. Mutations in this gene cause cortical dysplasia, complex, with other brain malformations 6. Alternative splicing results in multiple splice variants. There are multiple pseudogenes for this gene on chromosomes 1, 6, 7, 8, 9, and 13.

## Recommended Dilutions

**WB** 1:5000-1:20000

**IHC-P** 1:500 - 1:2000

**IP** 0.5 µg - 4 µg antibody for  
200 µg-400 µg extracts  
of whole cells

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

## Contact

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## Immunogen Information

### Gene ID

203068

### Swiss Prot

P07437

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

M40; TUBB1; TUBB5; CDCBM6; CSCSC1; OK/SW-cl.56; β-Tubulin

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

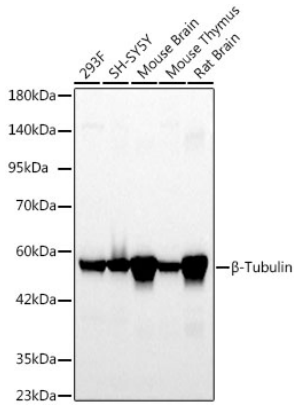
Affinity purification

### Storage

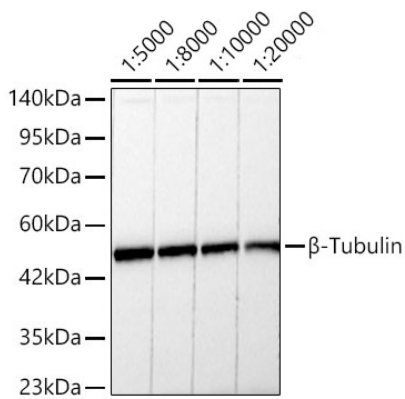
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

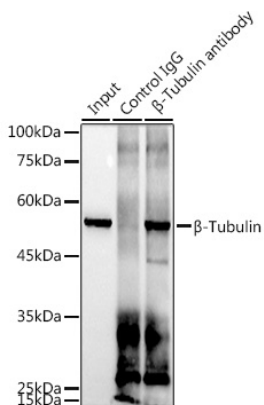
## Validation Data



Western blot analysis of various lysates using  $\beta$ -Tubulin Rabbit mAb (A12289) at 1:5000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.



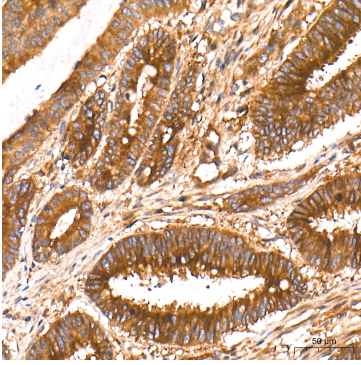
Western blot analysis of lysates from 293F cells, using  $\beta$ -Tubulin Rabbit mAb (A12289) at 1:1000-1:30000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



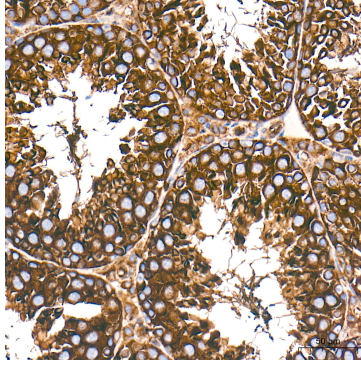
Immunoprecipitation analysis of 300  $\mu$ g extracts of 293T cells using 3  $\mu$ g  $\beta$ -Tubulin Rabbit mAb (A12289). Western blot was performed from the immunoprecipitate using  $\beta$ -Tubulin Rabbit mAb (A12289) at a dilution of 1:1000.

## Validation Data

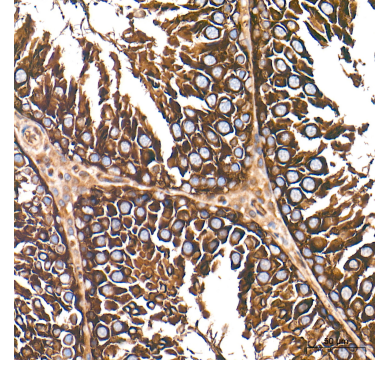
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Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using  $\beta$ -Tubulin Rabbit mAb (A12289) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using  $\beta$ -Tubulin Rabbit mAb (A12289) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using  $\beta$ -Tubulin Rabbit mAb (A12289) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.