

## Basic Information

Product Name	Anti-Gamma Tubulin/TUBG1 Antibody (Clone#GTU-88)	
Gene Name	TUBG1	
Source	Mouse	
Clonality	Monoclonal	
Isotype	IgG1	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC	
Contents	200 ug/ml antibody with PBS , 0.02% NaN <sub>3</sub> , 1mg BSA and 50% glycerol.	
Immunogen	Synthetic gamma-tubulin peptide(amino acids 38-53), conjugated to KLH.	
Purification	Ascites	
Observed MW	55 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

## Storage

12 months from date of receipt, -20°C as supplied.

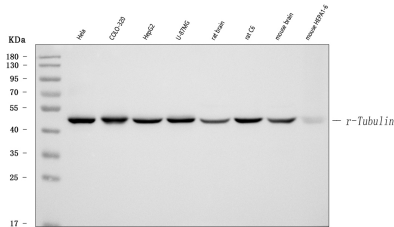
## Background Information

Gamma-tubulin is a universal component of microtubule organizing centers, which is essential for nuclear division and microtubule assembly in *Aspergillus nidulans*. TUBG1 mapped to within 20 kb of TUBG2 at 17q21. Gamma-tubulin is a minor protein, present at less than 1% the level of alpha- and beta-tubulin, and is limited to the centrosome. Gamma-tubulin is present in *Drosophila melanogaster* and *Homo sapiens*.

## Reference

Anti-Gamma Tubulin/TUBG1 Antibody (Clone#GTU-88)被引用在12文献中。

## Selected Validation Data



Western blot analysis of anti- γ-Tubulin antibody (BM1606). The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: Hela whole cell lysates,

Lane 2: COLO-320 whole cell lysates,

Lane 3: HepG2 whole cell lysates,

Lane 4: U-87MG whole cell lysates,

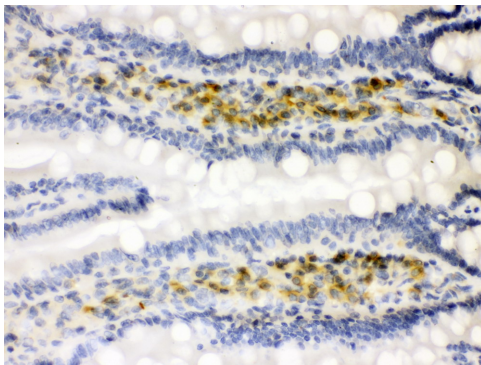
Lane 5: rat brain tissue lysates,

Lane 6: rat C6 whole cell lysates,

Lane 7: mouse brain tissue lysates,

Lane 8: mouse HEPA1-6 whole cell lysates.

Use mouse anti- γ-Tubulin 1:1000, probed with a goat anti-mouse IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001). A specific band was detected for γ-Tubulin at approximately 55KD. The expected band size for γ-Tubulin is at 55KD.



IHC analysis using anti- γ-Tubulin antibody (BM1606). detected in paraffin-embedded section of rat intestinal tissue. Biotinylated goat anti-mouse IgG was used as secondary antibody. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1021) with DAB as the chromogen.