

β II tubulin Monoclonal Antibody(Mix)

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| Catalog No : | YM3151 |
| Reactivity : | Mouse;Rat;(H) |
| Applications : | WB;IHC;IF;IP |
| Target : | Tubulin β II |
| Fields : | >>Phagosome;>>Gap junction;>>Alzheimer disease;>>Parkinson disease;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Prion disease;>>Pathways of neurodegeneration - multiple diseases;>>Pathogenic Escherichia coli infection;>>Salmonella infection |
| Gene Name : | TUBB2A |
| Protein Name : | Tubulin beta-2A chain |
| Human Gene Id : | 7280 |
| Human Swiss Prot No : | Q13885 |
| Mouse Gene Id : | 22151 |
| Mouse Swiss Prot No : | Q7TMM9 |
| Rat Gene Id : | 498736 |
| Rat Swiss Prot No : | P85108 |
| Immunogen : | Synthetic Peptide of β II tubulin |
| Specificity : | The antibody detects endogenous β II tubulin protein. |
| Formulation : | PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol. |
| Source : | Monoclonal, Mouse |

Dilution : WB 1:50000-100000 IP:1:200 IHC 1:50-300. IF 1:50-200

Purification : The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.

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

Observed Band : 50kD

Cell Pathway : Gap junction;Pathogenic Escherichia coli infection;

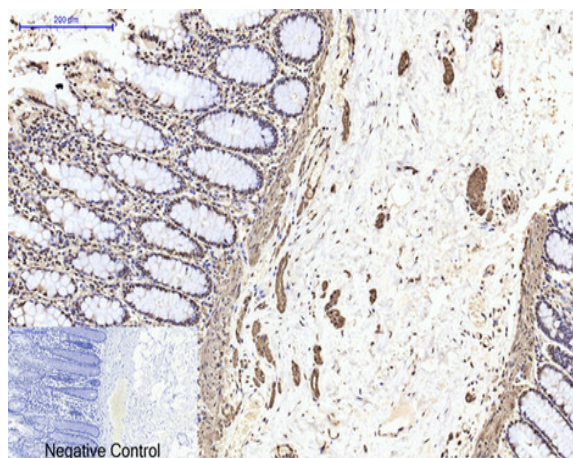
Background : Microtubules, key participants in processes such as mitosis and intracellular transport, are composed of heterodimers of alpha- and beta-tubulins. The protein encoded by this gene is a beta-tubulin. Defects in this gene are associated with complex cortical dysplasia with other brain malformations-5. Two transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2015],

Function : 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.,similarity:Belongs to the tubulin family.,subunit:Dimer of alpha and beta chains.,

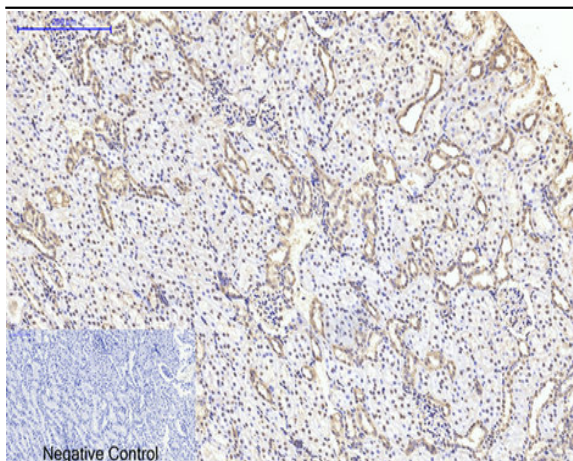
Subcellular Location : Cytoplasm, cytoskeleton .

Expression : High expression in brain, where it represents 30% of all beta-tubulins.

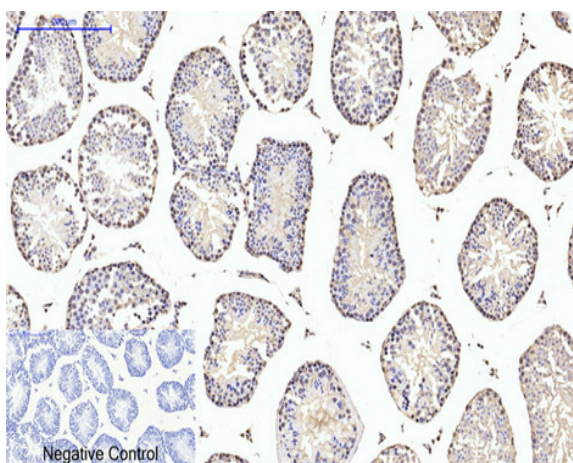
Products Images



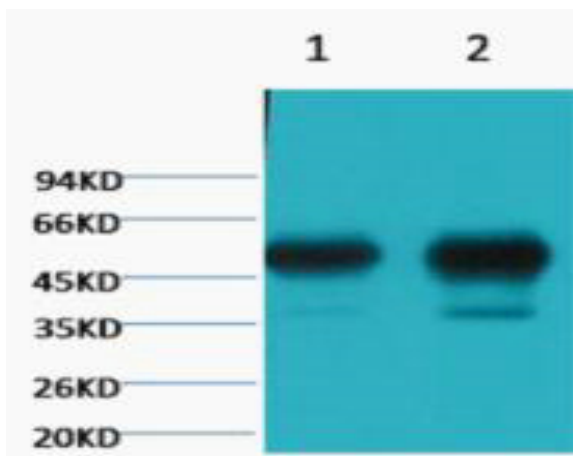
Immunohistochemical analysis of paraffin-embedded Human-colon tissue. 1, β II tubulin Monoclonal Antibody(Mix) was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



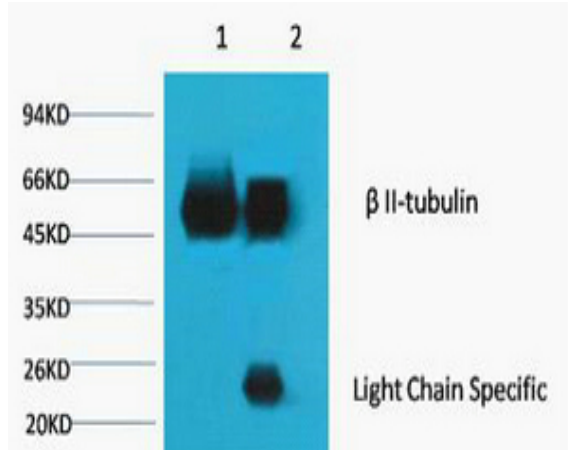
Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1, β II tubulin Monoclonal Antibody(Mix) was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control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



Immunohistochemical analysis of paraffin-embedded Mouse-testis tissue. 1, β II tubulin Monoclonal Antibody(Mix) 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 1) Mouse Brain tissue, 2) Rat Brain tissue, diluted at 1:100000.



1) Input: Mouse Brain Tissue Lysate 2) IP product: IP dilute 1: 200
Western blot analysis: primary antibody : TDY191 1: 10000
Secondary antibody: Goat anti-Mouse IgG, Light chain specific (S003), 1: 5000