

β II tubulin Monoclonal Antibody(Mix)

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;

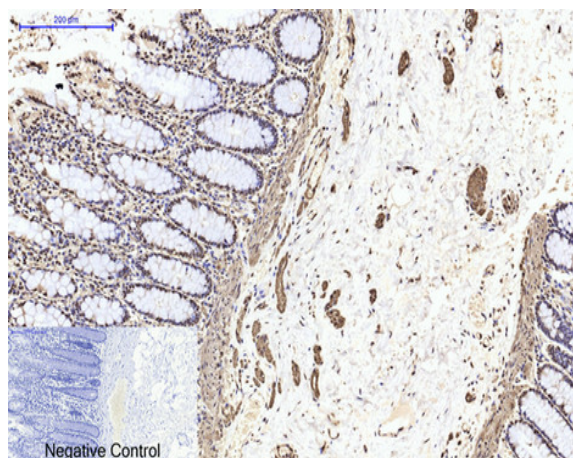
Background : Microtubules, key participants in processes such as mitosis and intracellular transport, are composed of heterodimers of alpha- and beta-tubulins. The protein encoded by this gene is a beta-tubulin. Defects in this gene are associated with complex cortical dysplasia with other brain malformations-5. 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.,

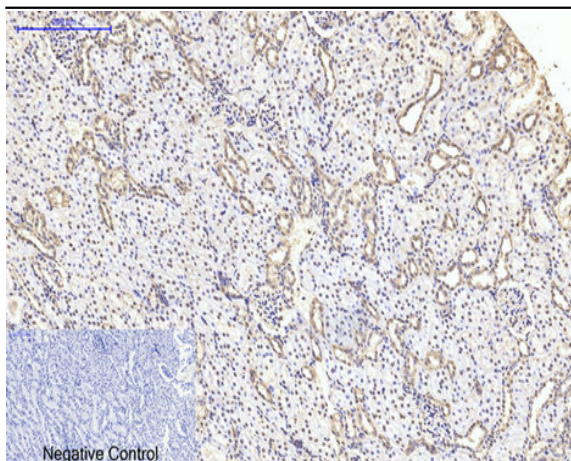
Subcellular Location : Cytoplasm, cytoskeleton .

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

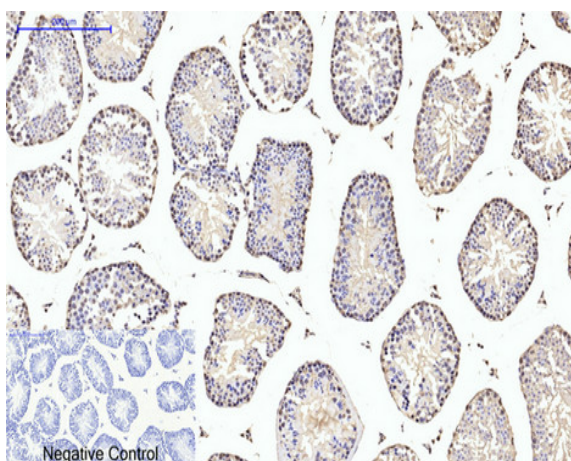
Products Images



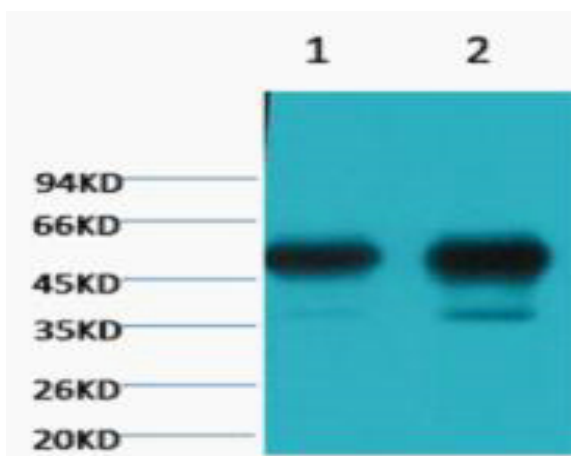
Immunohistochemical analysis of paraffin-embedded Human-colon tissue. 1, β II tubulin Monoclonal Antibody(Mix) was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control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



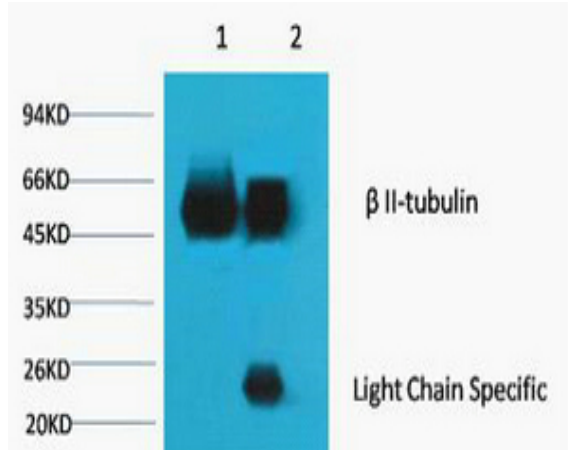
Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1, β II tubulin Monoclonal Antibody(Mix) was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control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