

Beta III Tubulin Recombinant Rabbit Monoclonal Antibody (SP06-00)

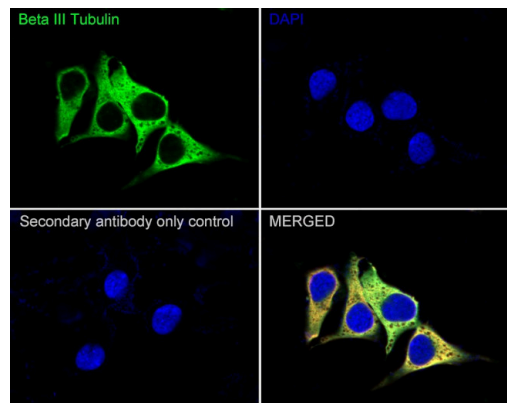
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Rat
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	SP06-00
Conjugate	Unconjugated
Immunogen	Synthetic peptide within Human Tubulin beta-III aa 392-441.
Form	Liquid
Concentration	1 mg/mL
Amount	100 µg
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 40% Glycerol, 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2809329

Applications	Tested Dilution	Publications
Western Blot (WB)	1:20,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunohistochemistry (Frozen) (IHC (F))	1:100	-
Immunocytochemistry (ICC/IF)	1:100-1:200	1 Publication
Flow Cytometry (Flow)	1:100	-

Product Specific Information

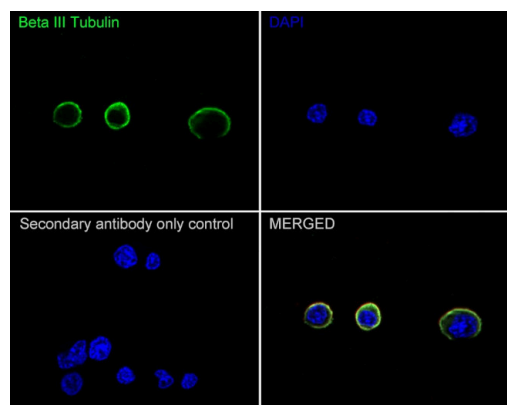
Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For Beta III Tubulin Recombinant Rabbit Monoclonal Antibody (SP06-00)



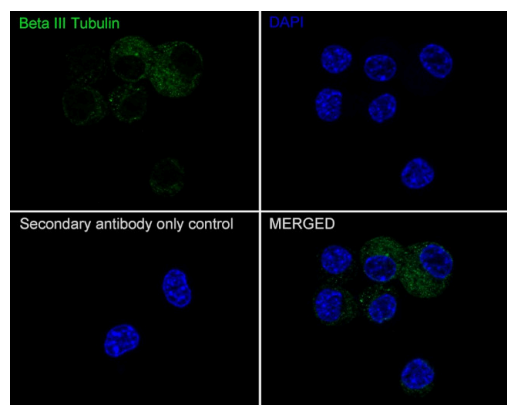
Beta III Tubulin Antibody (MA5-32035) in ICC/IF

Immunocytochemistry analysis of Beta III Tubulin with SH-SY5Y cells. Cells were fixed in 4% paraformaldehyde (20 min, room temp), permeabilized with 0.1% Triton X-100 in PBS (5 min, room temp), then blocked with 1% BSA in 10% negative goat serum (1 hr, room temp), incubated with recombinant monoclonal Beta III Tubulin (Product # MA5-32035) at a dilution of 1:100 (in 1% BSA in PBST overnight at 4°C), followed by Goat Anti-Rabbit IgG H&L 488 at 1:1,000 dilution (PBS used in control). Nuclear DNA was labelled in blue with DAPI, Beta tubulin (red) at 1/100 dilution (overnight, 4°C).



Beta III Tubulin Antibody (MA5-32035) in ICC/IF

Immunocytochemistry analysis of Beta III Tubulin with PC-12 cells. Cells were fixed in 4% paraformaldehyde (20 min, room temp), permeabilized with 0.1% Triton X-100 in PBS (5 min, room temp), then blocked with 1% BSA in 10% negative goat serum (1 hr, room temp), incubated with recombinant monoclonal Beta III Tubulin (Product # MA5-32035) at a dilution of 1:100 (in 1% BSA in PBST overnight at 4°C), followed by Goat Anti-Rabbit IgG H&L 488 at 1:1,000 dilution (PBS used in control). Nuclear DNA was labelled in blue with DAPI, Beta tubulin (red) at 1/100 dilution (overnight, 4°C).



Beta III Tubulin Antibody (MA5-32035) in ICC/IF

Immunocytochemistry analysis of Beta III Tubulin with Neuro-2a cells. Cells were fixed in 4% paraformaldehyde (20 min, room temp), permeabilized with 0.1% Triton X-100 in PBS (5 min, room temp), then blocked with 1% BSA in 10% negative goat serum (1 hr, room temp), incubated with recombinant monoclonal Beta III Tubulin (Product # MA5-32035) at a dilution of 1:200 (in 1% BSA in PBST overnight at 4°C), followed by Goat Anti-Rabbit IgG H&L 488 at 1:1,000 dilution (PBS used in control). DAPI was used to stain the cell nuclei (blue).

[View more figures on thermofisher.com](https://www.thermofisher.com)

Immunocytochemistry (1)

Journal of neurochemistry

Pathological remodeling of reactive astrocytes: Involvement of DNA methylation and downregulation of homeostatic genes.

"MA5-32035 was used in Immunocytochemistry-immunofluorescence to reveal that the pathological remodeling of reactive astrocytes encompasses not only the pro-inflammatory response but, significantly, also entails a long-term suppression of homeostatic gene expression with methylation of crucial CpG islands within their promoters."

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Year
2024

Species
Rat

Dilution
1:3,000

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