iFluor™ 488 Conjugated Anti-Beta III Tubulin Antibody [A8-D10]

HA600106F



Hangzhou Huaan Biotechnology Co., Ltd.

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

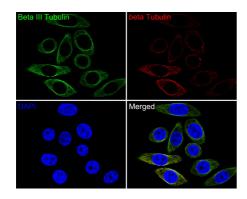


Fig1: Immunocytochemistry analysis of HepG2 cells labeling Beta III Tubulin with Mouse anti-Beta III Tubulin antibody (HA600106F) at 1/50 dilution.

Cells were fixed in 4% paraformaldehyde for 30 minutes, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Mouse anti-Beta III Tubulin antibody (HA600106F, iFluorTM 488) at 1/50 dilution in 2% negative goat serum overnight at 4 $^{\circ}$ C. Nuclear DNA was labelled in blue with DAPI.

beta Tubulin (ET1602-4, red) was stained at 1/100 dilution overnight at $+4^{\circ}$ C. Goat Anti-Rabbit IgG H&L (iFluor TM 647, HA1123) were used as the secondary antibody at 1/1,000 dilution.

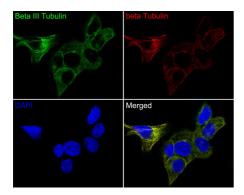


Fig2: Immunocytochemistry analysis of SH-SY5Y cells labeling Beta III Tubulin with Mouse anti-Beta III Tubulin antibody (HA600106F) at 1/50 dilution.

Cells were fixed in 4% paraformaldehyde for 30 minutes, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Mouse anti-Beta III Tubulin antibody (HA600106F, iFluorTM 488) at 1/50 dilution in 2% negative goat serum overnight at 4 $^{\circ}$ C. Nuclear DNA was labelled in blue with DAPI.

beta Tubulin (ET1602-4, red) was stained at 1/100 dilution overnight at $+4^{\circ}$ C. Goat Anti-Rabbit IgG H&L (iFluor TM 647, HA1123) were used as the secondary antibody at 1/1,000 dilution.

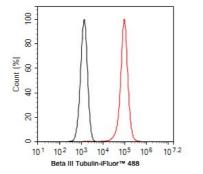


Fig3: Flow cytometric analysis of SH-SY5Y cells labeling Beta III Tubulin.

Cells were fixed and permeabilized. Then incubated for 1 hour at $+4^{\circ}$ C with Beta III Tubulin (HA600106F, red, 1ug/ml). Unlabelled sample was used as a control (cells without incubation with primary antibody; black).

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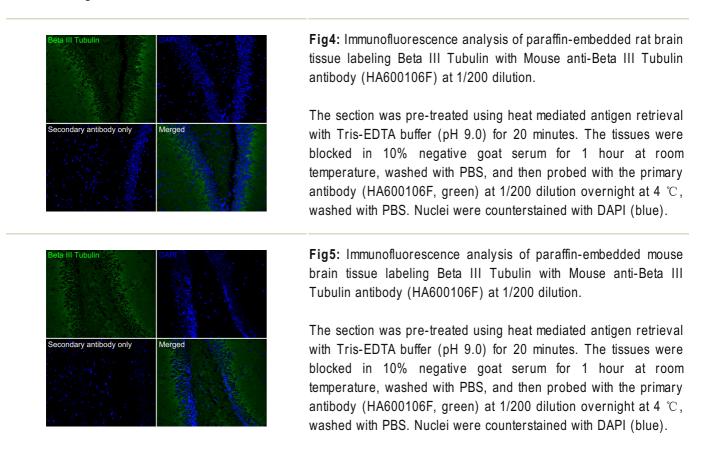
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Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

- 1. Tischfield M A et al. Human TUBB3 mutations perturb microtubule dynamics, kinesin interactions, and axon guidance. Cell 140:74-87 (2010).
- 2. Fourest-Lieuvin A et al. Microtubule regulation in mitosis: tubulin phosphorylation by the cyclin-dependent kinase Cdk1. Mol Biol Cell 17:1041-1050 (2006).

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