

M5 β -Tubulin(10B1)Mouse Monoclonal Antibody 使用说明书

产品名称	单位	货号
M5 β -Tubulin(10B1)Mouse mAb	50 μ l	MF086-T
M5 β -Tubulin(10B1)Mouse mAb	100 μ l	MF086-01

【STORAGE】

Store at -20°C. Stable for one year from the date of shipment.

【BACKGROUND】

Tubulin is a major cytoskeleton component that has five distinct forms, designated Tubulins form heterodimers which multimerize to form a microtubule filament. There are five Tubulin isoforms (1, 2, 3, 4A and 4B) that are expressed in mammalian tissues. 1 and 4 are present throughout the cytosol, 2 is present in the nuclei and nucleoplasm, and 3 is a neuron-specific cytoskeletal protein. Tubulin forms the gammaosome, which is required for nucleating microtubule filaments at the centrosome. Both Tubulin and Tubulin are associated with the centrosome. Tubulin is a homolog of the Chlamydomonas Tubulin Uni3 and is found in association with the centrioles, whereas Tubulin localizes to the pericentriolar material. Tubulin exhibits a cell cycle-specific pattern of localization; first associating with only the older of the centrosomes in a newly duplicated pair, and later associating with both centrosomes.

【REFERENCES】

- 1.Weisenberg, R. 1981. Invited review: the role of nucleotide triphosphate in Actin and Tubulin assembly and function. Cell Motil. 1: 485-497.
- 2.Hoffman, P.N. 1988. Distinct roles of neurofilament and Tubulin gene expression in axonal growth. Ciba Found. Symp. 138: 192-204.
- 3.Zheng, Y., Jung, M.K. and Oakley, B.R. 1991. Tubulin is present in Drosophila melanogaster and Homo sapiens and is associated with the centrosome. Cell 65: 817-823.

【SOURCE】

This monoclonal antibody is produced by immunizing animals with a protein fragment within the carboxy terminus of human beta-tubulin.

【SPECIFICITY】

beta-Tubulin (10B1) Mouse mAb detects endogenous levels of total β -tubulin protein.

【REACTIVITY】

Human, Mouse, Rat, Monkey

【ISOTYPE】

Mouse IgG1

【IMPORTANT】

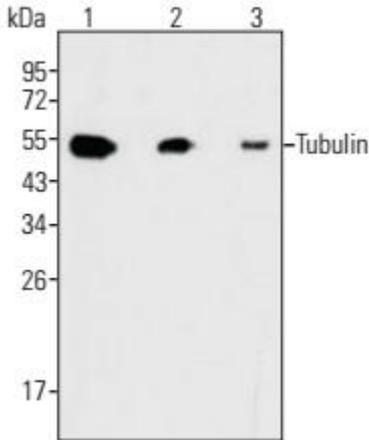
Use an anti-Mouse secondary antibody to detect the 10B1 antibody.

【RECOMMENDED ANTIBODY DILUTIONS】

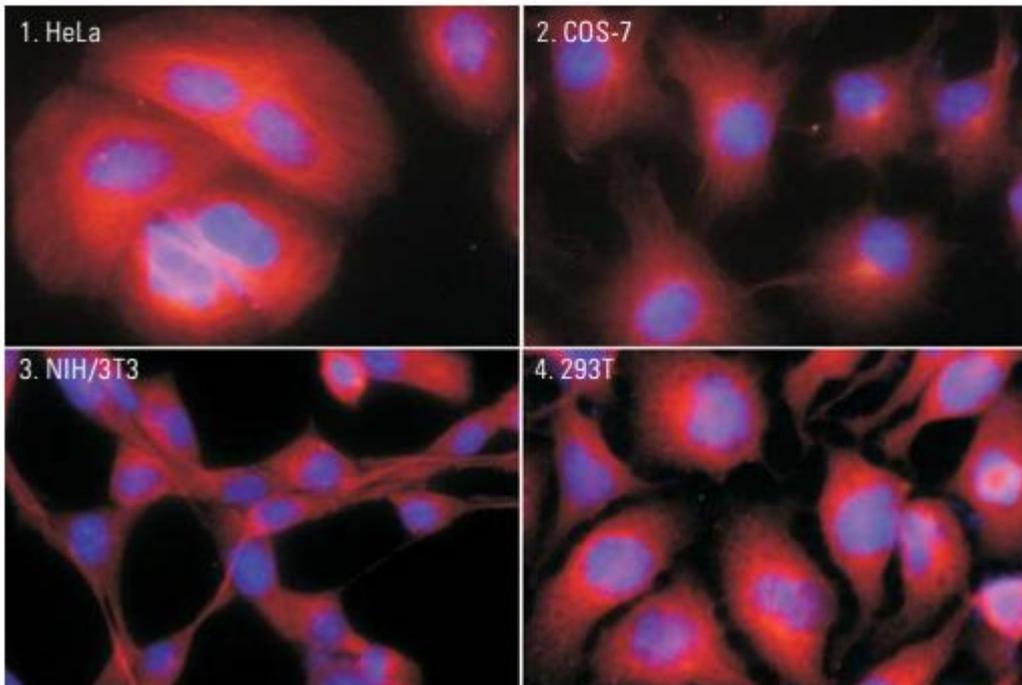
Western blotting 1:5000
 Immunofluorescence 1:1000

For Western blots, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.05% Tween-20 at 4°C with gentle shaking, overnight.

【APPLICATION DATA】



Western blot analysis of HeLa cell lysate, using beta-Tubulin(10B1) Mouse mAb. The antibody dilutions are 1:2000(lane 1), 1:5000(lane 2) and 1:10000(lane 3). Each lane was loaded with 10 µg of cell lysate.



IF analysis of HeLa cells, NIH/3T3 cells, COS-7 cells and 293T cells, using beta-Tubulin (10B1) Mouse mAb at a 1:1000 dilution.

【备注】

本产品仅供科研使用。在确认产品质量出现问题时，本公司承诺为客户免费更换等量的质量合格产品。