

Mouse beta-Tubulin Monoclonal Antibody

beta-Tubulin (10B1) Mouse mAb

CATALOG # AAA62289	HOST Mouse	REACTIVITY Human, Mouse, Rat, Monkey	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

beta-Tubulin; Monoclonal Antibody; beta-Tubulin (10B1) Mouse mAb; anti-beta-Tubulin antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Monoclonal
Isotype	IgG1
Specificity	beta-Tubulin (10B1) Mouse mAb detects endogenous levels of total beta-tubulin protein.
Sequence Length	448
Applicable Applications for anti-beta-Tubulin antibody	IF (Immunofluorescence), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing animals with a protein fragment within the carboxy terminus of human beta-tubulin.
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

IMAGES


IF (Immunofluorescence)

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


WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-beta-Tubulin antibody	Tubulin is a major cytoskeleton component that has five distinct forms, designated alpha, beta, gamma, delta and epsilon Tubulin. alpha and beta Tubulins form heterodimers which multimerize to form a microtubule filament. There are five beta Tubulin isoforms (beta1, beta2, beta3, beta4A and beta4B) that are expressed in mammalian tissues. beta1 and beta4 are present throughout the cytosol, beta2 is present in the nuclei and nucleoplasm, and beta3 is a neuron-specific cytoskeletal protein. gamma Tubulin forms the gammasome, which is required for nucleating microtubule filaments at the centrosome. Both delta Tubulin and epsilon Tubulin are associated with the centrosome. delta Tubulin is a homolog of the Chlamydomonas delta Tubulin Uni3 and is found in association with the centrioles, whereas epsilon Tubulin localizes to the pericentriolar material. epsilon 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.
Product Categories/Family for anti-beta-Tubulin antibody	Internal Controls

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. γ Tubulin is present in *Drosophila melanogaster* and *Homo sapiens* and is associated with the centrosome. *Cell* 65: 817-823.

NCBI AND UNIPROT INFORMATION

NCBI GI #	166496
Molecular Weight	50,072 Da
NCBI Official Full Name	beta-tubulin
UniProt Protein Name	Tubulin beta chain

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/beta-tubulin-antibody-immunofluorescence-western-blot-elisa/62289>