

Anti-Beta-Tubulin Antibody (Monoclonal, TUB 2.1)

Catalog # ABO10492

Product Information

Application	WB, IHC-P
Primary Accession	Q9H4B7
Host	Mouse
Isotype	Mouse IgG1
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Format	Lyophilized
Description	Mouse IgG monoclonal antibody for beta-Tubulin detection. Tested with WB, IHC-P in Human,mouse,rat. No cross reactivity with other proteins.
Reconstitution	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Additional Information

Gene ID	81027
Other Names	Tubulin beta-1 chain, TUBB1
Calculated MW	50327
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, mouse, rat, By Heat Western blot, 2 μ g/ml, Human, mouse, rat
Subcellular Localization	Cytoplasm, cytoskeleton .
Tissue Specificity	Hematopoietic cell-specific. Major isotype in leukocytes, where it represents 50% of all beta-tubulins. .
Source	Eukaryota
Protein Name	Tubulin beta-1 chain
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.
Clone Names	TUB 2.1
Immunogen	Tubulin from rat brain.
Purification	Ascites
Cross Reactivity	No cross reactivity with other proteins

Storage At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

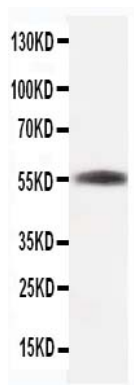
Protein Information

Name	TUBB1
Function	Tubulin is the major constituent of microtubules, a cylinder consisting of laterally associated linear protofilaments composed of alpha- and beta-tubulin heterodimers. Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms. Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin.
Cellular Location	Cytoplasm, cytoskeleton
Tissue Location	Hematopoietic cell-specific. Major isotype in leukocytes, where it represents 50% of all beta-tubulins

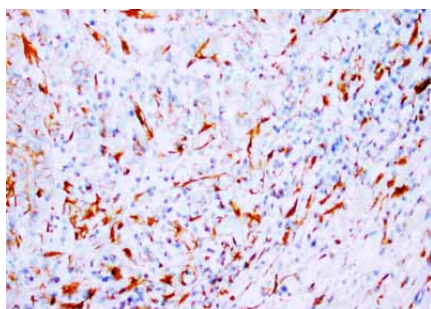
Background

Tubulin beta(TUBB) was derived from its corresponding mRNA with a molecular weight of about 55,000. TUBB gene contains 4 exons and located in the HLA class I region at 6p21.3. Paclitaxel resistance in non-small-cell lung cancer associated with beta-tubulin gene mutations.

Images



Anti-beta-Tubulin antibody (monoclonal), ABO10492,
Western blottingWB: Rat Skeletal Muscle Tissue Lysate



Anti-beta-Tubulin antibody (monoclonal), ABO10492,
IHC(P)IHC(P): Human Mammary Cancer Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.