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

Catalog # ABO10492

Specification

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

Application	**WB, IHC**
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.

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

Gene ID 81027

Other Names
Tubulin beta-1 chain, TUBB1

Calculated MW
50327 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, mouse, rat, By Heat

Western blot, 2 µg/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. .

Protein Name
Tubulin beta-1 chain

Contents
Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.

Immunogen
Tubulin from rat brain.

Purification
Ascites

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, 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.**

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

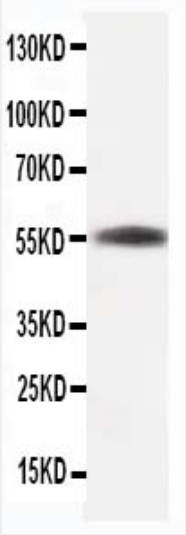
Anti-Beta-Tubulin Antibody (Monoclonal, TUB 2.1) - Protocols

Provided below are standard protocols that you may find useful for product applications.

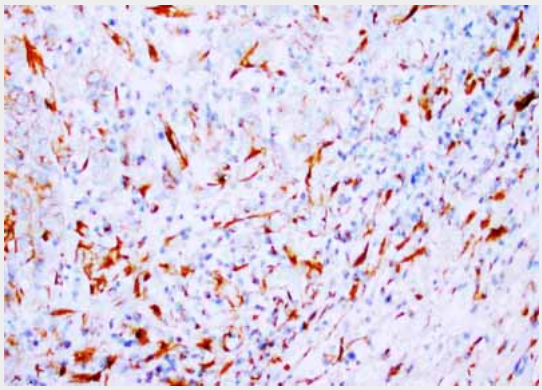
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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

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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

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