

Anti-Alpha-Tubulin Antibody (Monoclonal, DM1A)

Catalog # ABO10490

Product Information

Application	WB, IHC-P
Primary Accession	Q71U36
Host	Mouse
Isotype	Mouse IgG1
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Format	Lyophilized
Description	Mouse IgG monoclonal antibody for alpha-Tubulin detection. Tested with WB, IHC-P in Human;mouse;rat;chicken. No cross reactivity with other proteins.
Reconstitution	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Additional Information

Gene ID	7846
Other Names	Tubulin alpha-1A chain, Alpha-tubulin 3, Tubulin B-alpha-1, Tubulin alpha-3 chain, Detyrosinated tubulin alpha-1A chain, TUBA1A, TUBA3
Calculated MW	50136
Application Details	Immunohistochemistry(Paraffin-embedded Section), 1-2 μ g/ml, Human, mouse, rat, chicken, By Heat Western blot, 2 μ g/ml, Human, mouse, rat, chicken
Subcellular Localization	Cytoplasm, cytoskeleton.
Tissue Specificity	Expressed at a high level in fetal brain. .
Source	Eukaryota
Protein Name	Tubulin alpha-1A chain
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Clone Names	DM1A
Immunogen	Microtubules from chicken embryo 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 TUBA1A

Synonyms TUBA3

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.

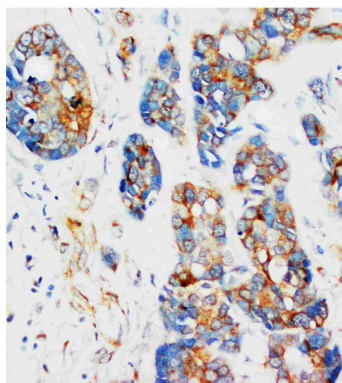
Cellular Location Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:P68369}

Tissue Location Expressed at a high level in fetal brain.

Background

Alpha-tubulin(b-alpha-1) mRNA is expressed only in brain with a molecular weight of about 55,000. The 3-prime UTR of b-alpha-1 is more than 80% homologous to the UTR of the rat brain alpha-tubulin gene, IL-alpha-T1. B-alpha-1 encodes a predicted 451-amino acid protein that is 100% identical to the rat homolog and differs by only 2 and 3 amino acids from the pig and chicken homologs, respectively.

Images



Anti-alpha-Tubulin antibody (monoclonal), ABO10490, 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'.