

For Research Use Only

Biotin-conjugated Alpha Tubulin Monoclonal antibody



Catalog Number: **Biotin-66031** **1 Publications**

Basic Information

Catalog Number: Biotin-66031	GenBank Accession Number: BC009314	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10376	CloneNo.: 1E4C11
Source: Mouse	Full Name: tubulin, alpha 1b	Recommended Dilutions: IHC 1:50-1:500
Isotype: IgG2b	Calculated MW: 50 kDa	
Immunogen Catalog Number: AG18034		

Applications

Tested Applications: IHC	Positive Controls: IHC : human liver cancer tissue,
Cited Applications: WB	
Species Specificity: human, mouse, rat, Canine	
Cited Species: mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

There are five tubulins in human cells: alpha, beta, gamma, delta, and epsilon. Tubulins are conserved across species. They form heterodimers, which multimerize to form a microtubule filament. An alpha and beta tubulin heterodimer is the basic structural unit of microtubules. The heterodimer does not come apart once formed. The alpha and beta tubulins, which are each about 55 kDa MW, are homologous but not identical. Alpha tubulin is useful for scientists across fields as an internal control due to its high, ubiquitous expression pattern. Tubulin expression may vary according to resistance to antimicrobial and antimetabolic drugs. This antibody specifically recognizes Tubulin Alpha.

Notable Publications

Author	Pubmed ID	Journal	Application
Hong Zhang	34153292	Biochem Pharmacol	WB

Storage

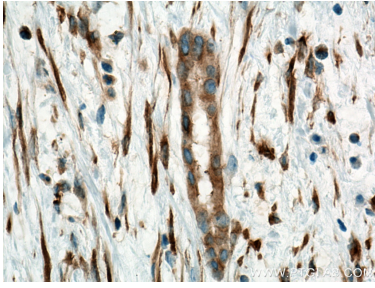
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

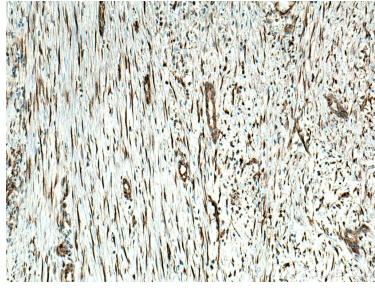
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using Biotin-66031 (alpha Tubulin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using Biotin-66031 (alpha Tubulin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).