

For Research Use Only

HRP-conjugated Alpha Tubulin Monoclonal antibody



Catalog Number: HRP-66031

108 Publications

Basic Information

Catalog Number: HRP-66031	GenBank Accession Number: BC009314	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10376	CloneNo.: 1E4C11
Source: Mouse	UNIPROT ID: P68363	Recommended Dilutions: WB 1:2000-1:16000
Isotype: IgG2b	Full Name: tubulin, alpha 1b	
	Calculated MW: 50 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications: WB	Positive Controls: WB : HeLa cells, Recombinant protein
Cited Applications: WB, ColP	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mouse	

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 antimitotic drugs. This antibody recognizes Tubulin-Alpha only and it is conjugated with HRP.

Note: Do not add Azium (Sodium Azide or Smite) into the dilution buffer. Azium is the HRP inhibitor which decreases the enzymatic activity of HRP.

Notable Publications

Author	Pubmed ID	Journal	Application
Immacolata Giordano	34621739	Front Cell Dev Biol	WB
Jiaxi Song	36125175	J Clin Endocrinol Metab	WB
Ruzhi Wei	30278376	Stem Cell Res	WB

Storage

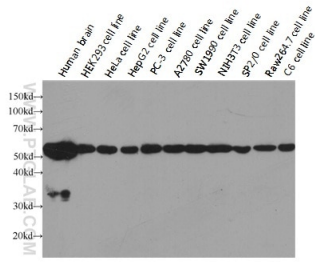
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Western blot analysis of alpha-tubulin in various tissues and cell lines using Proteintech antibody HRP-60031 at a dilution of 1:5000.