

# HRP-conjugated Alpha Tubulin Monoclonal antibody

Catalog Number: HRP-66031

104 Publications

## Basic Information

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

## Applications

<b>Tested Applications:</b> WB	<b>Positive Controls:</b> WB : HeLa cells, Recombinant protein
<b>Cited Applications:</b> CoIP, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> 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
Jiayi Song	36125175	J Clin Endocrinol Metab	WB
Ruzhi Wei	30278376	Stem Cell Res	WB

## Storage

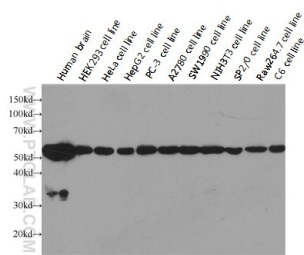
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
 Aliquoting is unnecessary for -20°C storage

\*\*\* 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)  
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# 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.