

For Research Use Only

HRP-conjugated alpha Tubulin Monoclonal ANTIBODY



Catalog Number: HRP-66031

18 Publications

Basic Information

Catalog Number:
HRP-66031

Size:
200 µg/ 100 µl

Source:
Mouse

Isotype:
IgG2b

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:

GenBank Accession Number:
BC009314

GeneID (NCBI):
10376

Full Name:
tubulin, alpha 1b

Calculated MW:
50 kDa

Observed MW:
52 kDa

Recommended Dilutions:
WB 1:2000-1:16000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
human,mouse,rat

Cited Species:
human, mouse

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells; Recombinant protein

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
Ruzhi Wei	30278376	Stem Cell Res	WB
Lang-Yue Hu	29051087	Brain Behav Immun	WB
Yoshinobu Saitoh	30303565	Mbl Carcinog	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% Thimerosal, 50% Glycerol, pH 7.3.

Aliquoting is unnecessary for -20°C storage

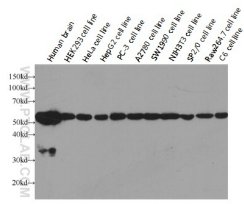
For technical support and original validation data for this product please contact:

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.