

HRP-conjugated Beta Tubulin Monoclonal antibody

Catalog Number: HRP-66240

8 Publications

Basic Information

Catalog Number:

HRP-66240

Size:2000 μ g/ml**Source:**

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG0117

GenBank Accession Number:

BC000748

GeneID (NCBI):

10381

UNIPROT ID:

Q13509

Full Name:

tubulin, beta 3

Calculated MW:

450 aa, 50 kDa

Observed MW:

50-55 kDa

Purification Method:

Protein A purification

CloneNo.:

1D4A4

Recommended Dilutions:

WB 1:20000-1:100000

Applications

Tested Applications:

WB

Cited Applications:

WB

Species Specificity:

human, mouse, rat, nematode, pig, zebrafish

Cited Species:

human, mouse

Positive Controls:

WB : HeLa cells,

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 and beta tubulins have been widely used as loading controls. Tubulin expression may vary according to resistance to antimicrobial and antimitotic drugs. This antibody is conjugated with HRP.

Notable Publications

Author	Pubmed ID	Journal	Application
Nao Iguchi	35332157	Sci Rep	WB
Ya-Sheng Li	34217975	Bioorg Chem	WB
Zhanyang Qian	35280691	Int J Biol Sci	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

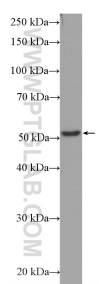
For technical support and original validation data for this product please contact:

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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with HRP-66240 (beta Tubulin antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.