

## alpha Tubulin

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF IP

**Recommended Dilution:**WB 1:5000 - 1:15000 IHC 1:200 - 1:500 IF 1:100 - 1:200 IP 1:100 - 1:200

**Calculated MW:**50kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human TUBA1B

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

K-ALPHA-1

**Catalog #:**AC012

**Antibody Type:**

Monoclonal Antibody

**Species:**Mouse

**Gene ID:**7277

**Isotype:**IgG

**Swiss Prot:**P68363

**Purity:**Affinity purification

For research use only.

**Background:**

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, beta, and gamma tubulins have all been used as loading controls. Tubulin expression may vary according to resistance to antimicrobial and antimitotic drugs.

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