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TUBB1

Reactivity: Human Mouse Rat

Tested applications:WB

Recommended Dilution:WB 1:500 - 1:2000

Calculated MW:50kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human TUBB

Storage Buffer:

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

Synonym:

M40; OK/SW-cl.56; TUBB1; TUBB5;

Catalog #:AC015

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:203068

Isotype: IgG

Swiss Prot:P07437

Purity: Affinity purification

For research use only.

Background:

Microtubules are essential parts in eukaryotic cell structures, transportation, and mitosis and consists mainly of 2 soluble protein subunits, alpha and beta tubulin. Beta-tubulin binds to alpha tubulin to form tubulin heterodimer which is post-translationally modified. The tubulin dimer complex binds to GTP and assembles onto the positive ends of microtubules. After incorporation into the microtubules, bound GTP is hydrolyzed by beta tubulin. The stability of the dimer in the microtubules is depended on presence of beta tubulin, where dimer with GTP bound beta-tubulin is stable to microtubule incorporation. Mutation on beta-tubulin has been linked to anti-cancer drug resistance in lung cancers.

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