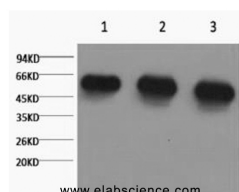


alpha Tubulin Monoclonal Antibody

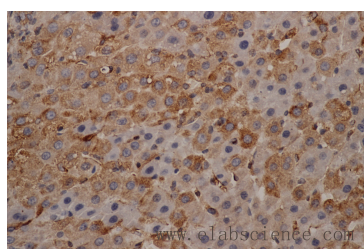
Catalog No.	E-AB-20036	Reactivity	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Mouse
Applications	WB,IHC-p,IF,IP	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

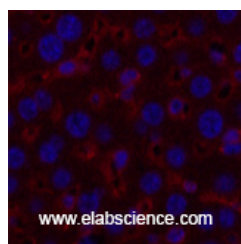
Images



Western Blot analysis of 1) HeLa, 2) Rat brain, 3) Mouse brain using alpha Tubulin Monoclonal Antibody at dilution of 1:5000.



Immunohistochemistry of paraffin-embedded mouse liver using alpha Tubulin Monoclonal Antibody at dilution of 1:200



Immunofluorescence analysis of Mouse liver tissue using alpha Tubulin Monoclonal Antibody at dilution of 1:200.

Immunogen Information

Immunogen	Recombinant Protein
Swissprot	Q71U36,P68363
Synonyms	TUBA1A,TUBA3,Tubulin alpha-1A chain,Alpha-tubulin 3,Tubulin B-alpha-1,Tubulin alpha-3 chain,TUBA1B,Tubulin alpha-1B chain,Alpha-tubulin ubiquitous,Tubulin K-alpha-1,Tubulin alpha-ubiquitous chain

Product Information

Calculated MW	50kDa
Observed MW	52kDa
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.
Purify	Protein A purification
Clone No.	Clone:5M5
Dilution	WB 1:500-10000, IHC 1:50-300, IF 1:50-1:200, IP 1:100-1:300

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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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.