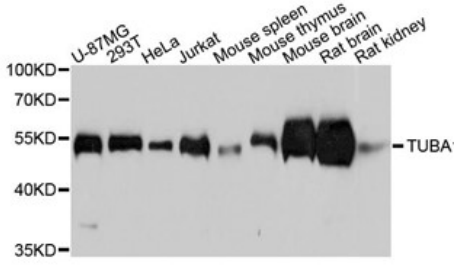
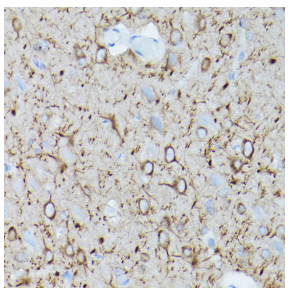
Product Data Sheet:
Tubulin alpha Mouse Monoclonal Antibody

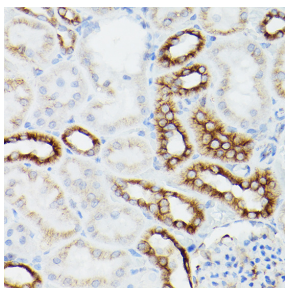
Cat. No:	MAB-94264
Conjugate:	Unconjugated
Size:	200 ug
Clone:	TU-02
Concentration:	1mg/ml
Host:	Mouse
Isotype:	IgG1
Immunogen:	Recombinant protein of human α-Tubulin
Reactivity:	Hu, Ms, Rt,
Applications:	Western Blot: 1 :500 – 1:5,000 Immunohistochemistry (paraffin embedded tissues): 1:50 – 1:200 Immunofluorescence: 1:20 – 1:100 Immunoprecipitation: 1:20 – 1:50
Molecular Weight:	50kDa
Purification:	Aff. Pur.
Synonyms:	TUBA4A;ALS22;H2-ALPHA;TUBA1
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.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles



Western blot analysis of extracts of various cell lines, using Tubulin alpha antibody at 1:1.500 dilution. The Secondary Antibody is HRP Goat anti mouse IgG (H+L). Lysates / Proteins 25ug/Lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Fast Pico Kit.

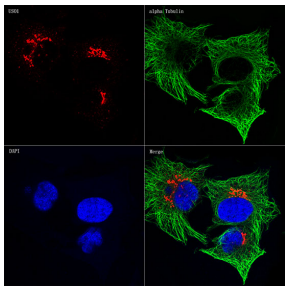


Immunohistochemistry of paraffinembedded mouse brain using α-Tubulin Mouse mAb at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffinembedded mouse kidney using α-Tubulin Mouse mAb at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Exposure time: 5 s



Confocal imaging of HeLa cells using α-Tubulin Mouse mAb (dilution 1:200)(Green).
The cells were counterstained with USO1 Rabbit mAb (dilution 1:100) (Red).
DAPI was used for nuclear staining (blue).
Objective: 60x.