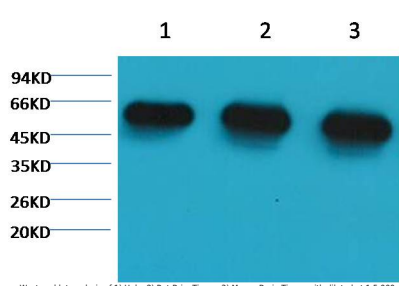


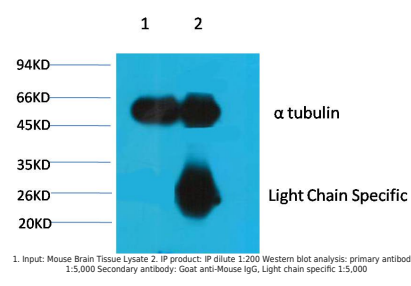
Product name:	α-Tubulin Mouse Monoclonal Antibody
Cat number:	MAB-94264
Conjugate:	Unconjugated
Size:	100 ug
Clone:	TU-02
Concentration:	1mg/mL
Host:	Mouse
Isotype:	IgG1
Immunogen:	Recombinant protein (or fragment). This information is considered to be commercially sensitive.
Reactivity:	Human, Mouse, Rat
Applications:	WB 1:5000 - 1:20000; IHC-P 1:500 - 1:2000; IF/ICC 1:200 - 1:1000; ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Molecular Weight:	55kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	PBS containing 50% glycerol and 1% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Background:	Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulin. The genes encoding these microtubule constituents are part of the tubulin superfamily, which is composed of six distinct families. Genes from the alpha, beta and gamma tubulin families are found in all eukaryotes. The alpha and beta tubulins represent the major components of microtubules, while gamma tubulin plays a critical role in the nucleation of microtubule assembly. There are multiple alpha and beta tubulin genes and they are highly conserved among and between species. This gene encodes an alpha tubulin that is a highly conserved homolog of a rat testis-specific alpha tubulin. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.



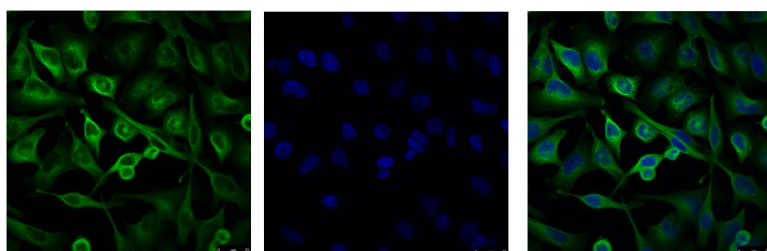
Western blot analysis of 1) HeLa, 2) Rat Brain Tissue, 3) Mouse Brain Tissue with diluted at 1:5,000.



Immunohistochemical analysis of paraffin-embedded human Colon carcinoma using α tubulin Mouse mAb diluted at 1:500.



1. Input: Mouse Brain Tissue Lysate 2. IP product: IP dilute 1:200 Western blot analysis: primary antibody : 1:5,000 Secondary antibody: Goat anti-Mouse IgG, Light chain specific 1:5,000



IF analysis of HeLa with (Left) and DAPI (Right) diluted at 1:100.