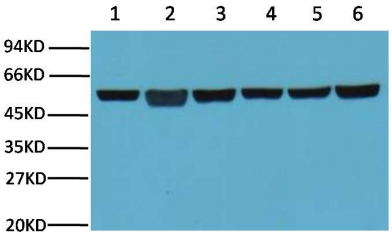
ELK Biotechnology

β-Tubulin Mouse mAb
Catalog NO.: EM1029
For research use only.

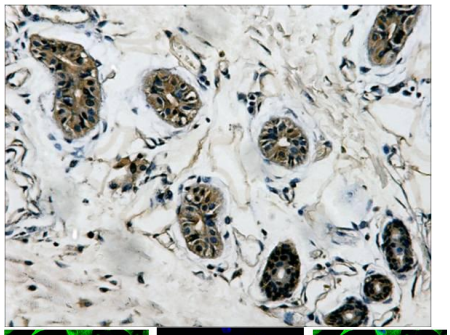
Overview

Product name	β-Tubulin Mouse Monoclonal antibody
Source	Mouse
Applications	**WB IHC IF**
Species reactivity	**Human Rat Mouse Monkey Dog Chicken Hamster RabbitSheep Insect Yeast**
Recommended dilutions	**WesternBlot:1/5000** **Immunohistochemistry:1/200** **Immunofluorescence:1/100-200** **NOTE: Optimal dilutions should be determined by the end user.**
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	**55kDa**
GeneID（Human）	203068
Human Swiss-Prot No.	P07437
Cellular localization	CytoplasmCytoskeletonMicrotubule
Alternative Names	N/A
Background	Microtubules are constituent parts of the mitotic apparatus cilia flagella and elements of the cytoskeleton. They consist principally of 2 soluble proteins alpha- and beta-tubulin each of about 55000 Da. Antibodies against beta Tubulin are useful as loading controls for Western Blotting. However it should be noted that levels of β-Tubulin may not be stable in certain cells.

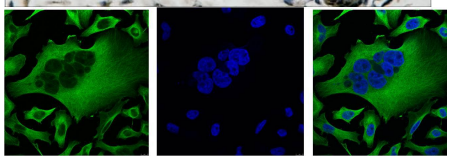
For example expression of β-Tubulin in adipose tissue is very low and therefore β-Tubulin should not be used as loading control for these tissues.



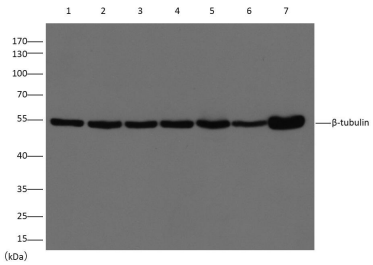
Western blot analysis of A549 (1) Rat brain (2) Mouse brain (3) Chicken lung (4) and Rabbit testis (5)Sheep muscle (6) with β-tubulin mouse mAb(5G3) diluted at:5000.



IHC Staining of Human colon tissue with β-tubulin mouse mAb(5G3) diluted at:200.



IF analysis of Hela with EM1029(Left) and DAPI (Right) diluted at:100.



Western blot analysis of extracts from HeLa (Lane)MCF-7 (Lane 2) MG63 (Lane 3) Min6 (Lane 4)Mouse Kindey (Lane 5) Rat Kindey (Lane 6)Rat Brain (Lane 7) using β-tubulin diluted at 1:10000.