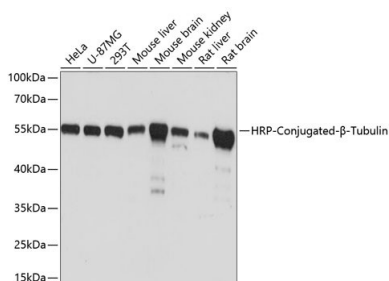
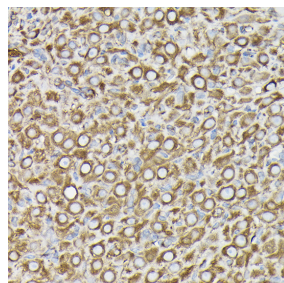


Cat. No:	MAB-80143
Conjugate:	Unconjugated
Size:	100 ug
Clone:	TUB2
Concentration:	1mg/ml
Host:	Ms
Isotype:	IgG1
Immunogen:	Recombinant protein of human β -Tubulin
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:5000 - 1:10000 Immunohistochemistry (paraffin-embedded tissues): 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200 Immunocytochemistry: 1:50 - 1:200 Immunoprecipitation: 1:50- 1:200
Molecular Weight:	50kDa
Purification:	Aff. Pur.
Synonyms:	M40; TUBB1; TUBB5; CDCBM6; CSCSC1; OK/SW-cl.56
Background:	This gene encodes a beta tubulin protein. This protein forms a dimer with alpha tubulin and acts as a structural component of microtubules. Mutations in this gene cause cortical dysplasia, complex, with other brain malformations 6. Alternative splicing results in multiple splice variants. There are multiple pseudogenes for this gene on chromosomes 1, 6, 7, 8, 9, and 13.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 1% BSA, 50% glycerol, pH 7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.

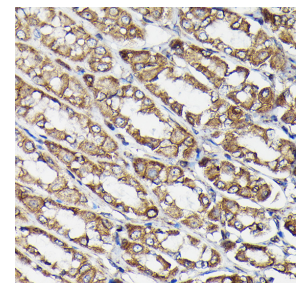


Western blot analysis of extracts of various cell lines, using β -Tubulin antibody HRP conj. at 1:5,000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) at 1:10,000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

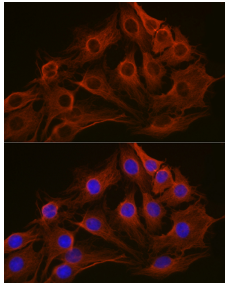
Detection: ECL West Pico Plus Kit.
Exposure time: 1s.



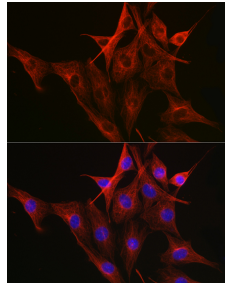
Immunohistochemistry of paraffin-embedded rat ovary using β -Tubulin Mouse mAb at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



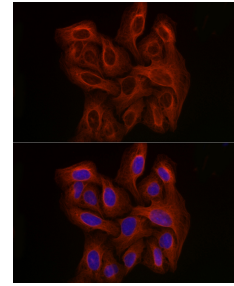
Immunohistochemistry of paraffin-embedded rat stomach using β -Tubulin Mouse mAb at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of C6 cells using β -Tubulin Mouse mAb at dilution of 1:100 (40x lens).
Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using β -Tubulin Mouse mAb at dilution of 1:100 (40x lens).
Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using β -Tubulin Mouse mAb at dilution of 1:100 (40x lens).
Blue: DAPI for nuclear staining.

References:

References for β -Tubulin Mouse mAb

Product: β -Tubulin Mouse mAb

Journal:Nucleic acids research

Application:WB, IP

IF:16.971

Species:Mus musculus

PMID:31037292

Title:Zfp217 mediates m6A mRNA methylation to orchestrate transcriptional and post-transcriptional regulation to promote adipogenic differentiation.

References for β -Tubulin Mouse mAb

Product: β -Tubulin Mouse mAb

Journal:Acta Pharmacologica Sinica

Application:WB

IF:6.15

Species:Mus musculus

PMID:31316178

Title:LW-213, a newly synthesized flavonoid, induces G2/M phase arrest and apoptosis in chronic myeloid leukemia.

References for β -Tubulin Mouse mAb

Product: β -Tubulin Mouse mAb

Journal:Virologica Sinica

Application:WB

IF:4.327

Species:Homo sapiens

PMID:31637631

Title:Proteasome Inhibitor PS-341 Effectively Blocks Infection by the Severe Fever with Thrombocytopenia Syndrome Virus

References for β -Tubulin Mouse mAb

Product: β -Tubulin Mouse mAb

Journal:FASEB journal : official publication of the Federation of American Societies for Experimental Biology

Application:WB

IF:5.191

Species:Mus musculus

PMID:31690123

Title:The classic metal-sensing transcription factor MTF1 promotes myogenesis in response to copper

References for β -Tubulin Mouse mAb

Product:β-Tubulin Mouse mAb

Journal:Journal of Cellular and Molecular Medicine

Application:WB

IF:5.31

Species:Rattus norvegicus

PMID:31762213

Title:Proteomics-based screening of the target proteins associated with antidepressant-like effect and mechanism of Saikosaponin A

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