α-tubulin Mouse Monoclonal Antibody

Catalog No: #37981

Package Size: #37981 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	α-tubulin Mouse Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Purification	Affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Hu Rt Ms
Specificity	The α-tubulin antibody can detects endogenousα-tubulin protein.
Conjugates	Unconjugated
Target Name	α-tubulin
Other Names	TUBA1A;TUBA3;Tubulin alpha-1A chain;Alpha-tubulin 3;Tubulin B-alpha-1;Tubulin alpha-3 chain
Accession No.	Swiss-Prot:Q71U36Gene ID:7846
SDS-PAGE MW	52kd
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

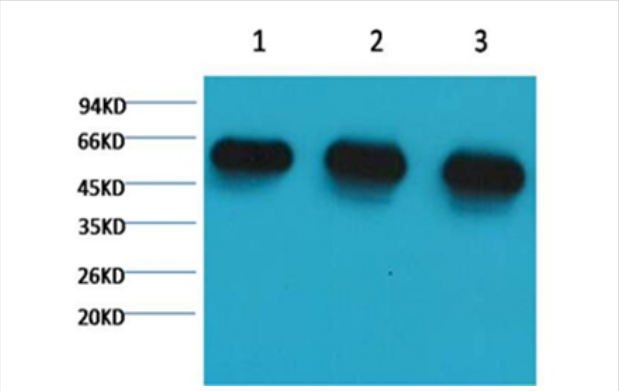
Application Details

WB dilution: 1:5000~1:10000

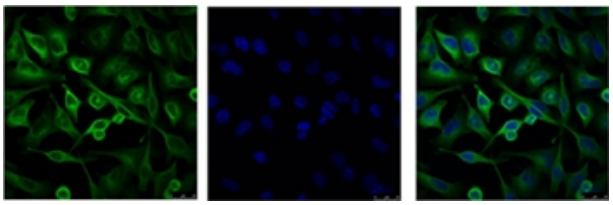
IHC dilution:1:200 IF dilution: 1:100~1:200

IP dilution: 1:200

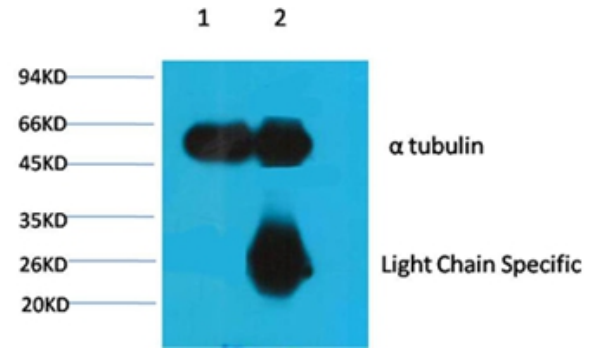
Images



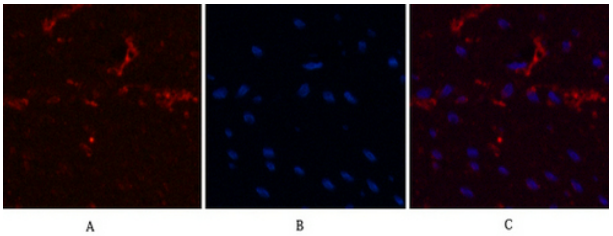
Western blot analysis of 1) Hela, 2) Rat BrianTissue, 3) Mouse Brain Tissue, using #37981 diluted at 1:5,000.



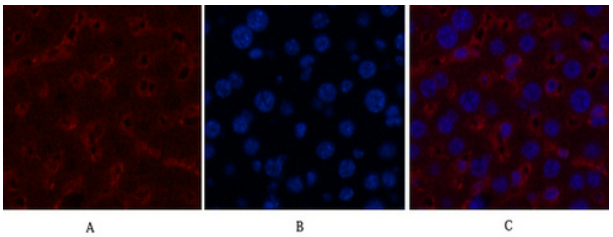
IF analysis of?Hela?with #37981(Left) and DAPI (Right) diluted at 1:100.



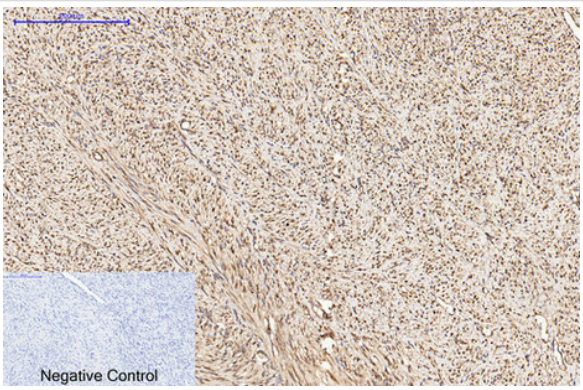
1B'B'Input: Mouse Brain Tissue Lysate
2B'B'IP product: IP dilute 1:200
Western blot analysis: primary antibody : #37981 1:5,000
Secondary antibody: Goat anti-Mouse IgG, Light chain specific, 1:5,000



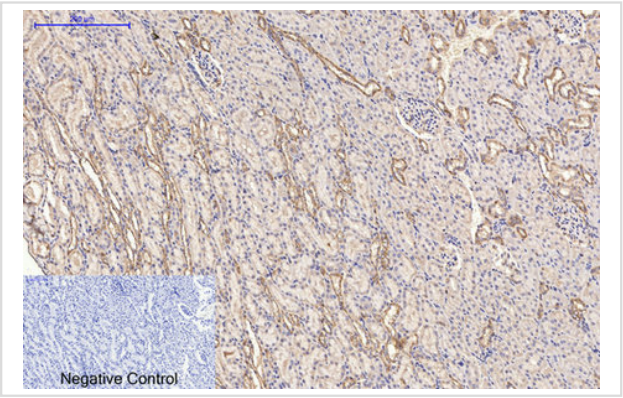
Immunofluorescence analysis of Human-colon-cancer tissue. 1,-tubulin Monoclonal Antibody(8F11)(red) was diluted at 1:200(4C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



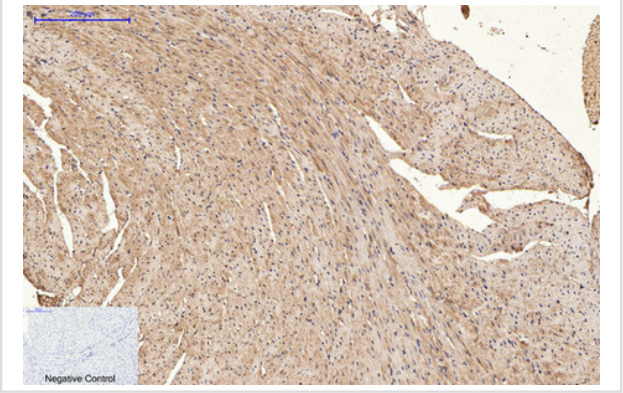
Immunofluorescence analysis of Mouse-liver tissue. 1,-tubulin Monoclonal Antibody(8F11)(red) was diluted at 1:200(4C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunohistochemical analysis of paraffin-embedded Human-uterus-cancer tissue. 1,-tubulin Monoclonal Antibody(8F11) was diluted at 1:200(4C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1,-tubulin Monoclonal Antibody(8F11) was diluted at 1:200(4C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-heart tissue. 1,-tubulin Monoclonal Antibody(8F11) was diluted at 1:200(4C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

Background

Tubulin is one of several members of a small family of globular proteins. The tubulin superfamily includes five distinct families, the alpha-, beta-, gamma-, delta-, and epsilon-tubulins. The most common members of the tubulin family are α-tubulin and β-tubulin, the proteins that make up microtubules. Each has a molecular weight of approximately 55 KD. Microtubules are assembled from dimers of α- and β-tubulin

Published Papers

el at., Alpha-lipoic acid alleviates NAFLD and triglyceride accumulation in liver via modulating hepatic NLRP3 inflammasome activation pathway in type 2 diabetic rats. In Food Sci Nutr on 2021 Mar 13 by Chih-Yuan Ko, Yangming Martin Lo, et al..PMID: 34026086, , (2021)

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el at., Novel oxicam nonsteroidal compound XK01 attenuates inflammation by suppressing the NF-κB and MAPK pathway in RAW264.7 macrophages. In Heliyon on 2024 Jan 9 by Jixiang Wang, Jiawang Tan,et al..PMID:38312593, , (2024)

PMID:38312593

Note: This product is for in vitro research use only and is not intended for use in humans or animals.