Alpha-tubulin Antibody

Catalog No: #48502

Package Size: #48502-1 50ul #48502-2 100ul

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

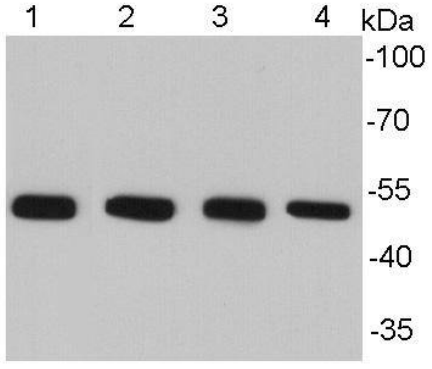
Description

Product Name	Alpha-tubulin Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified
Applications	WB, IHC, ICC, FC, IF
Species Reactivity	Hu, Ms, Rt, zebrafish
Immunogen Description	peptide
Other Names	TUBA1 antibody TUBA1A antibody TUBA2 antibody TUBA3 antibody TUBA3C antibody TUBA4A antibody Tubulin, alpha 1a antibody Tubulin, alpha 3c antibody Tubulin, alpha 4a antibody
Accession No.	Swiss-Prot#:P68366
Uniprot	P68366
GeneID	7277;
Calculated MW	50 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

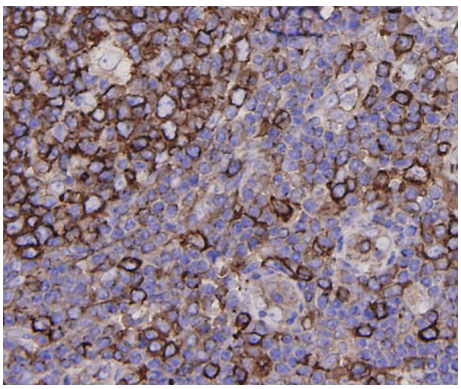
Application Details

WB: 1:5,000-1:10,000 IHC: 1:200-1:500 ICC: 1:200-1:500 FC: 1:50-1:100

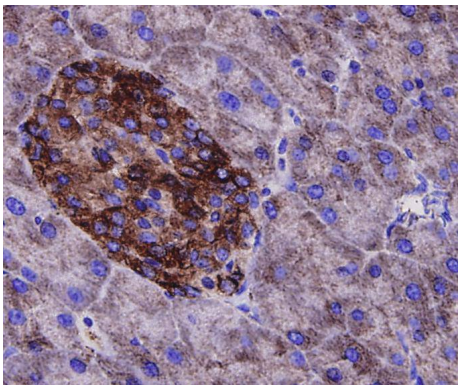
Images



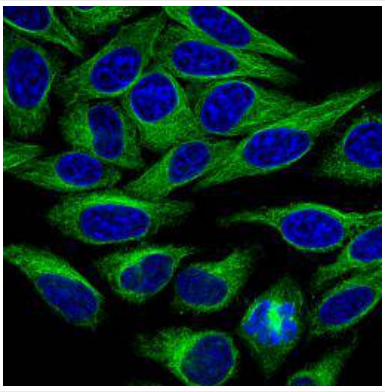
Western blot analysis of Alpha-tubulin on different cell lysates using anti-Alpha -tubulin antibody at 1/10000 dilution. Positive control: Lane 1: NIH/3T3 Lane2: HepG2 Lane3: PC12 Lane 4: Hela



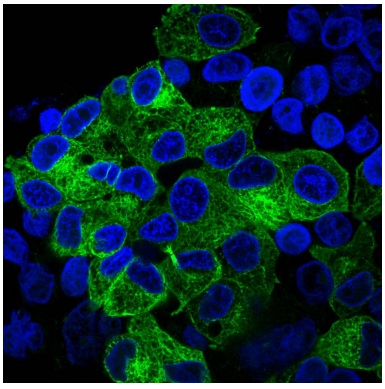
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Alpha-tubulin antibody. Counter stained with hematoxylin.



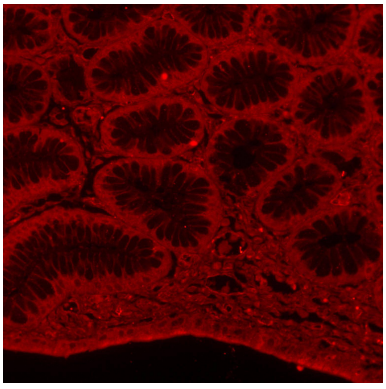
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue using anti-Alpha-tubulin antibody. Counter stained with hematoxylin.



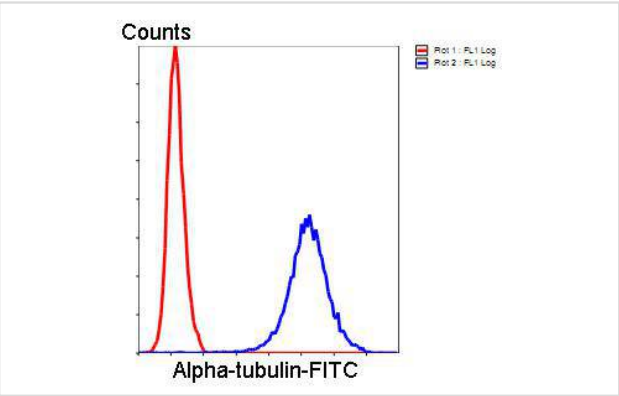
ICC staining of Alpha-tubulin in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining of Alpha-tubulin in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC-P image of Alpha-tubulin staining with Alpha-tubulin antibody on tissue sections from human stomach. The secondary used was an Alexa-Fluor 555 conjugated goat anti-rabbit polyclonal.



Flow cytometric analysis of Hela?cells with Alpha-tubulin antibody at 1/100 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Goat anti rabbit IgG (FITC) was used as the secondary antibody.

Background

The cytoskeleton consists of three types of cytosolic fibers: microtubules, microfilaments (actin filaments), and intermediate filaments. Globular tubulin subunits comprise the microtubule building block, with α/β-tubulin heterodimers forming the tubulin subunit common to all eukaryotic cells. Acetylation of alpha chains at Lys-40 stabilizes microtubules and affects affinity and processivity of microtubule motors. This modification has a role in multiple cellular functions, ranging from cell motility, cell cycle progression or cell differentiation to intracellular trafficking and signaling.

References

Note: This product is for in vitro research use only