

## Tubulin alpha 1A antibody

Catalog No: #22015

Orders: order@signalwayantibody.com

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## Description

Product Name	Tubulin alpha 1A antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Purified by antigen-affinity chromatography.
Applications	WB IHC IF
Species Reactivity	Hu
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 37 and 286 of Tubulin alpha 1A
Target Name	Tubulin alpha 1A
Accession No.	Swiss-Prot:Q71U36Gene ID:7846
Uniprot	Q71U36
GeneID	7846;
Concentration	0.25mg/ml
Formulation	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

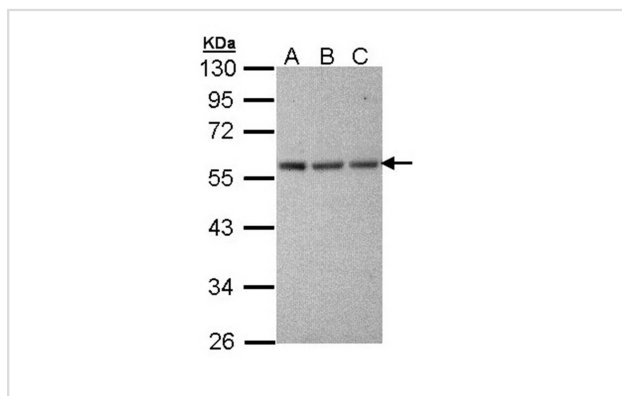
Predicted MW: 50kd

Western blotting: 1:500-1:3000

Immunohistochemistry: 1:50-1:500

Immunofluorescence: 1:100-1:200

## Images



Sample (30 ug of whole cell lysate)

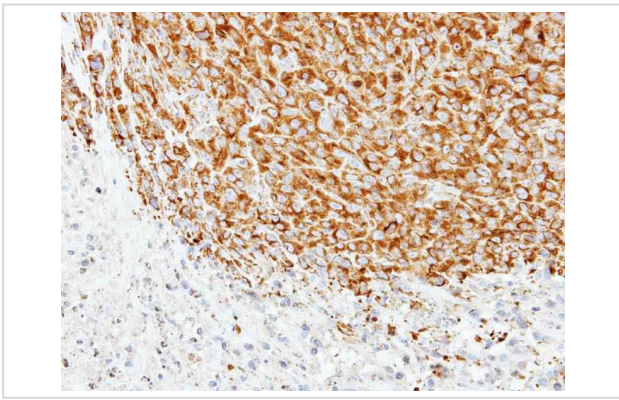
A: HeLa

B: Hep G2

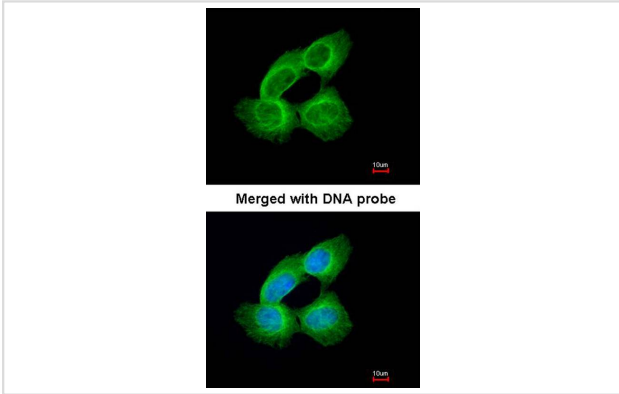
C: Molt-4

10% SDS PAGE

Primary antibody diluted at 1: 10000



Immunohistochemical analysis of paraffin-embedded SAS xenograft, using alpha Tubulin 1A antibody at 1: 500 dilution.



Immunofluorescence analysis of paraformaldehyde-fixed A431, using Tubulin alpha 1A antibody at 1: 200 dilution.

## Background

Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulins. The genes encoding these microtubule constituents belong to 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, which are highly conserved among species. This gene encodes alpha tubulin and is highly similar to mouse and rat Tuba1 gene. Northern blotting studies have shown that the gene expression is predominantly found in morphologically differentiated neurologic cells. This gene is one of three alpha-tubulin genes in a cluster on chromosome 12q. [provided by RefSeq]

Note: This product is for in vitro research use only