

Alpha-Tubulin Mouse Monoclonal Antibody



CABC012

Product Information

Size:

100 uL

Observed MW:

50kDa

Calculated MW:

48kDa/49kDa

Applications:

WB IHC IF IP

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:5000 - 1:10000 IHC

1:200 - 1:500 IF 1:100 -

1:200 IP 1:100 - 1:200

Source:

Mouse

Isotype:

IgG

Purification:

Affinity purification

Protein Background

Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulin. The genes encoding these microtubule constituents are part of 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 and they are highly conserved among and between species. This gene encodes an alpha tubulin that is a highly conserved homolog of a rat testis-specific alpha tubulin. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Immunogen information

Gene ID:

7277

Uniprot

P68366

Synonyms:

TUBA4A; ALS22; H2-ALPHA; TUBA1

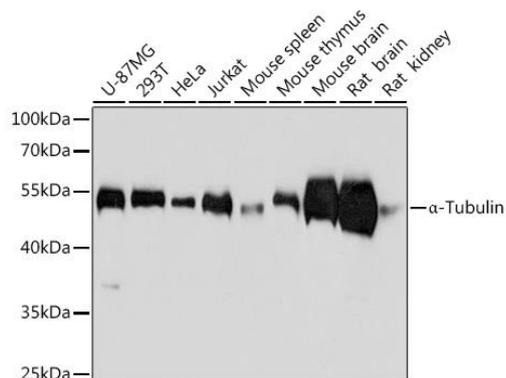
Immunogen:

Recombinant protein of human TUBA1B

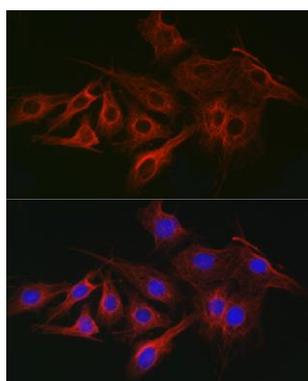
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

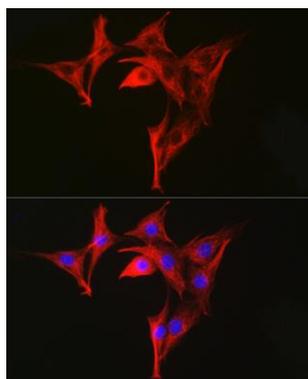
Product Images



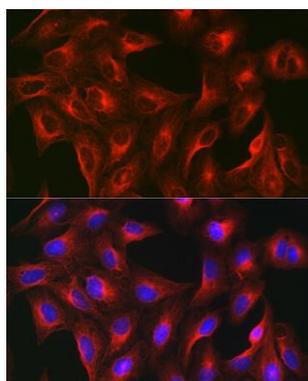
Western blot analysis of extracts of various cell lines, using alpha Tubulin antibody (CABC012) at 1:5000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (CABS003) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5s.



Immunofluorescence analysis of C6 cells using alpha-Tubulin Mouse mAb (CABC012) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using A-Tubulin Mouse mAb (CABC012) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using alpha-Tubulin Mouse mAb (CABC012) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.