

## **Tubulin alpha Ab**

Cat.#: AF0524 Concn.: 1mg/ml Mol.Wt.: 50kDa Size: 100ul,200ul Source: Rabbit Clonality: Polyclonal

Application: WB 1:500-1:2000 IHC 1:50-1:200 IF/ICC 1:100-1:500

Reactivity: Human, Mouse, Rat

Purification: The antiserum was purified by peptide affinity

chromatography using SulfoLink™ Coupling Resin (Thermo

Fisher Scientific).

Specificity: Tubulin alpha Ab detects endogenous levels of Tubulin

alpha.

Immunogen: A synthesized peptide derived from human Tubulin alpha.

Uniprot: Q71U36/P68363

Description: TUBA1A Tubulin is the major constituent of microtubules. It

binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha-

chain.

Subcellular Location: Cytoplasm, cytoskeleton.

Tissue Specificity: Expressed at a high level in fetal brain.

Similarity: Belongs to the tubulin family.

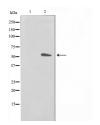
Storage Condition and

Buffer:

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM

NaCl, 0.02% sodium azide and 50% glycerol. Store at -20  $\,$ 

°C.Stable for 12 months from date of receipt.



Western blot analysis on NIH-3T3 cell lysate using Tubulin alpha Ab,The lane on the left is treated with the antigen-

specific peptide.

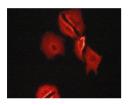




AF0524 at 1/100 staining human lymph node tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat antirabbit Ab was used as the secondary.



AF0524 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG(H+L) Ab, diluted at 1/600, was used as the secondary Ab.



Tubulin alpha staining Human fetal heart cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor® 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.

<code>IMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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