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Tubulin α Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50786

Specification

Tubulin α Antibody - Product Information

Application	**IF, WB, IHC**
Primary Accession	Q71U36
Other Accession	P68363
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**50,46 KDa**
Antigen Region	**423-451**

Tubulin α Antibody - Additional Information

Gene ID 7846

Other Names
Tubulin alpha-1A chain, Alpha-tubulin 3, Tubulin B-alpha-1, Tubulin alpha-3 chain, TUBA1A, TUBA3

Dilution
IF~~1:100
WB~~ 1:1000
IHC~~1:50~100

Format
Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions
-20℃

Tubulin α Antibody - Protein Information

Name TUBA1A

Synonyms TUBA3

Function
Tubulin is the major constituent of microtubules, a cylinder consisting of laterally associated linear protofilaments composed of alpha- and beta-tubulin heterodimers. Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms. Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin.

Cellular Location
Cytoplasm, cytoskeleton.

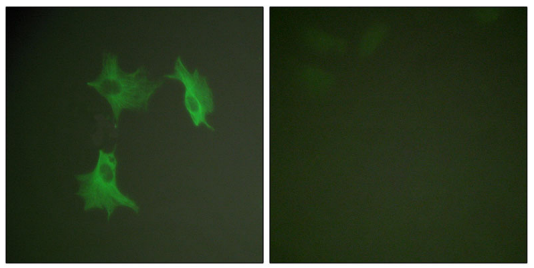
Tissue Location
Expressed at a high level in fetal brain.

Tubulin α Antibody - Protocols

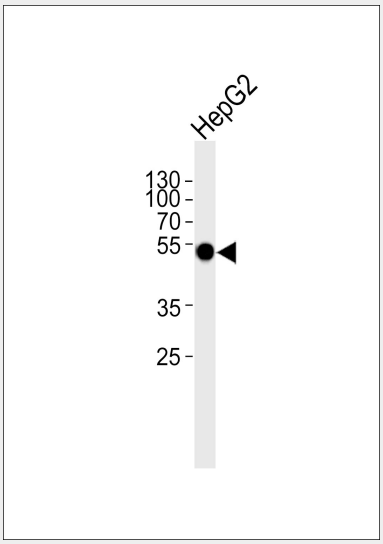
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Tubulin α Antibody - Images

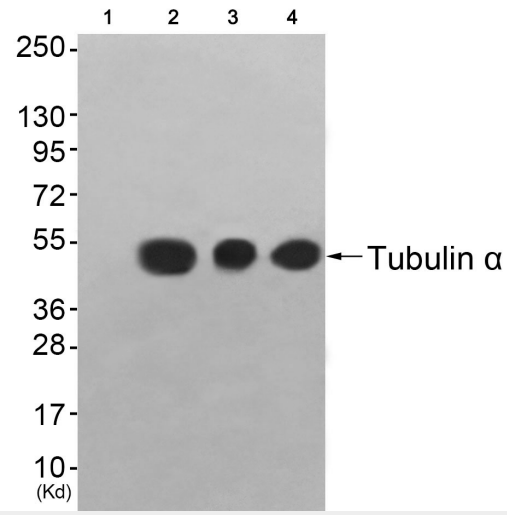


Immunofluorescence analysis of NIH/3T3 cells, using Tubulin α antibody.

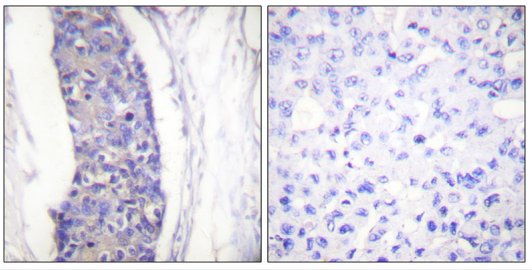


Western blot analysis of lysate from HepG2 cell line,using Tubulin α Antibody(AP50786). AP50786 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.

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Western blot analysis of extracts from 3T3 cells (Lane 2), colo cells (Lane 3) and HuvEc cells (Lane 4), using Tubulin α Antibody. The lane on the left is treated with synthesized peptide



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using Tubulin α antibody.

Tubulin α Antibody - Background

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.

Tubulin α Antibody - References

Hall J.L.,et al.Nucleic Acids Res. 13:207-223(1985).
Crabtree D.V.,et al.Bioorg. Med. Chem. 9:1967-1976(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Scherer S.E.,et al.Nature 440:346-351(2006).
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