

Tubulin-alpha 1 antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50880**Specification**

Tubulin-alpha 1 antibody - Product Information

Application	WB
Primary Accession	P68363
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55kD; [uniprot]50; [cst]52,55; [epi]50; KDa

Tubulin-alpha 1 antibody - Additional Information**Gene ID** 10376**Other Names**

Tubulin alpha-1B chain, Alpha-tubulin ubiquitous, Tubulin K-alpha-1, Tubulin alpha-ubiquitous chain, TUBA1B

Dilution

WB~~ 1:1000

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Tubulin-alpha 1 antibody - Protein Information**Name** TUBA1B**Function**

Tubulin is the major constituent of microtubules, a cylinder consisting of laterally associated linear protofilaments composed of alpha- and beta-tubulin heterodimers (PubMed:34996871). Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms (PubMed:34996871). Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha- tubulin (PubMed:34996871).

Cellular Location

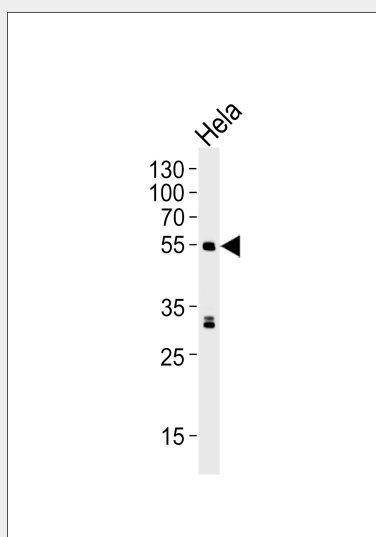
Cytoplasm, cytoskeleton

Tubulin-alpha 1 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 Cytometry](#)
- [Cell Culture](#)

Tubulin-alpha 1 antibody - Images



Western blot analysis of lysate from HeLa cell line, using Tubulin-alpha 1 antibody (AP50880). AP50880 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

Tubulin-alpha 1 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-alpha 1 antibody - References

Cowan N.J., et al. Mol. Cell. Biol. 3:1738-1745 (1983).
de Hostos E.L., et al. Submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases.
Li Q., et al. Submitted (FEB-2006) to the EMBL/GenBank/DDBJ databases.
Lubec G., et al. Submitted (DEC-2008) to UniProtKB.
Bienvenut W.V., et al. Submitted (MAR-2009) to UniProtKB.

Tubulin-alpha 1 antibody - Citations

- [Aspirin potentiates celecoxib-induced growth inhibition and apoptosis in human non-small cell lung cancer by targeting GRP78 activity](#)
- [C1GALT1C1/COSMC is a novel prognostic biomarker for hepatocellular carcinoma](#)
- [Ascending aortic adventitial remodeling and fibrosis are ameliorated with Apelin-13 in rats](#)

[after TAC via suppression of the miRNA-122 and LGR4- \$\beta\$ -catenin signaling.](#)