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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, Cow**
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 ℃ 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 ℃.

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

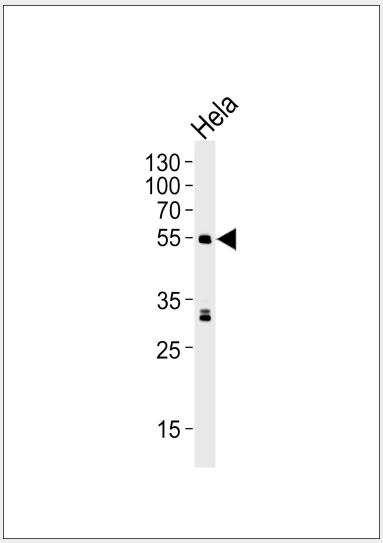
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Tubulin-alpha 1 antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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-β-catenin signaling.