

Tubulin Beta Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50855

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P07437
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49671

Additional Information

Gene ID	203068
Other Names	Tubulin beta chain, Tubulin beta-5 chain, TUBB, TUBB5
Dilution	WB=1:10000-100000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1ug/Test,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 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.

Protein Information

Name	TUBB
Synonyms	TUBB5
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	Ubiquitously expressed with highest levels in spleen, thymus and immature brain.

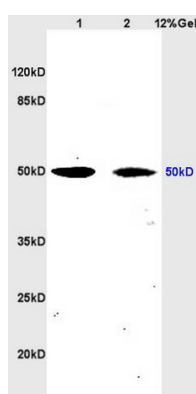
Background

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.

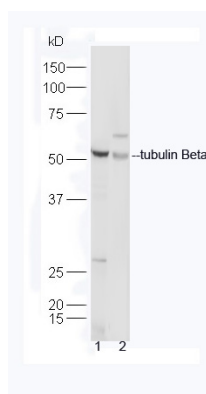
References

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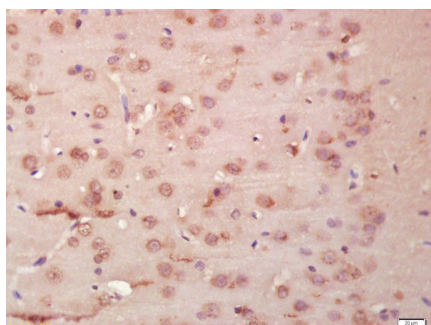
Images



Lane 1: Mouse heart lysates; Lane 2: Human MCF7 cell lysates probed with Rabbit Anti-Tubulin Beta Polyclonal Antibody, Unconjugated (AP50855) at 1:300 overnight at 4 °C. Followed by a conjugated secondary antibody at 1:5000 for 90 min at 37 °C.

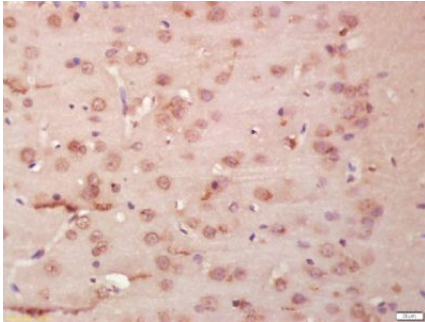
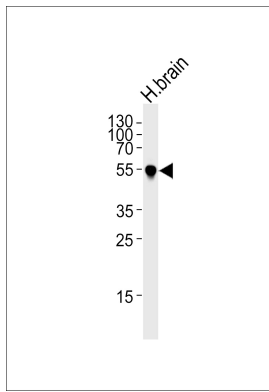


Lane 1: Mouse heart lysates; Lane 2: Human MCF7 cell lysates probed with Rabbit Anti-Tubulin Beta Polyclonal Antibody, Unconjugated AP50855 at 1:300 overnight at 4 °C. Followed by a conjugated secondary antibody at 1:5000 for 90 min at 37 °C.



Formalin-fixed and paraffin embedded rat brain labeled with Anti-tubulin Beta Polyclonal Antibody, Unconjugated (AP50855) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Lane 1: rat brain lysates Lane 2: rat heart lysates probed with Anti tubulin Beta Polyclonal Antibody, Unconjugated (AP50855) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 50kD. Observed band size: 50kD.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer at 37°C for 20 min; Incubation: Anti-tubulin Beta Polyclonal Antibody, Unconjugated 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining

Citations

- [Single-walled carbon-nanohorns improve biocompatibility over nanotubes by triggering less protein-initiated pyroptosis and apoptosis in macrophages.](#)

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