

beta IV Tubulin Rabbit mAb

Catalog # AP75155

Product Information

Application	WB, IHC-P, FC
Primary Accession	P04350
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	49586

Additional Information

Gene ID	10382
Other Names	TUBB4A
Dilution	WB~~1:500-1:1000 IHC-P~~N/A FC~~1:50-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

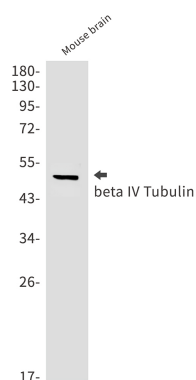
Protein Information

Name	TUBB4A
Synonyms	TUBB4, 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	Major isotype in brain, where it represents 46% of all beta-tubulins. In the brain, highest expression levels in the cerebellum, followed by putamen and white matter. Moderate levels in testis. Very low levels, if any, in other tissues

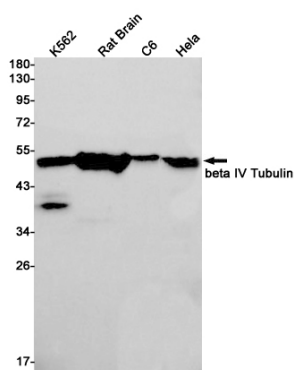
Background

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.

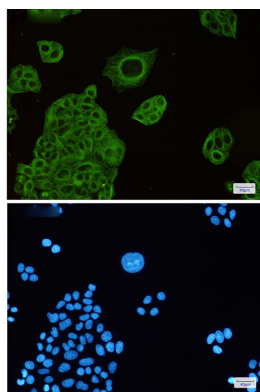
Images



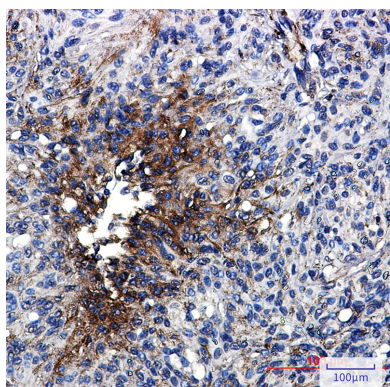
Western blot analysis of beta IV Tubulin in mouse brain lysates using beta IV Tubulin antibody.



Western blot analysis of beta IV Tubulin in K562, rat Brain, C6, Hela lysates using beta IV Tubulin antibody.



Immunocytochemistry analysis of beta IV Tubulin(green) in Hela using beta IV Tubulin antibody, and DAPI(blue)



Immunohistochemistry analysis of paraffin-embedded Human brain using beta IV Tubulin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.