

TUBA8 (3B12) Mouse mAb

Catalog # AP53510

Product Information

Primary Accession	Q9NY65
Host	Mouse
Clonality	Monoclonal Antibody
Calculated MW	50094

Additional Information

Gene ID	51807
Other Names	TUBAL2
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

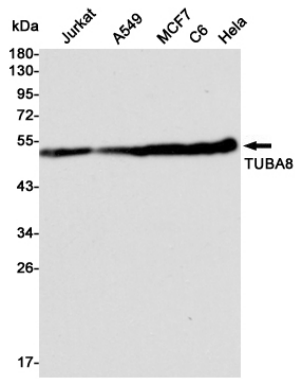
Protein Information

Name	TUBA8
Synonyms	TUBAL2
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	Preferentially expressed in heart, skeletal muscle and testis. Expressed at low levels in the developing brain. Expressed in megakaryocytes and platelets (PubMed:34704371)

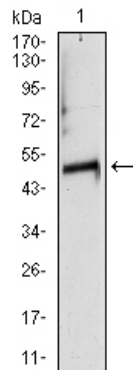
Background

Swiss-Prot Acc.Q9NY65.This gene encodes a member of the alpha tubulin protein family. Alpha tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. Mutations in this gene are associated with polymicrogyria and optic nerve hypoplasia. Alternate splicing results in multiple transcript variants.

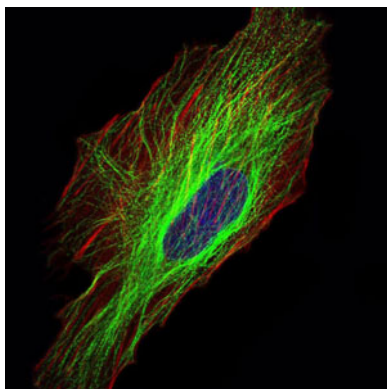
Images



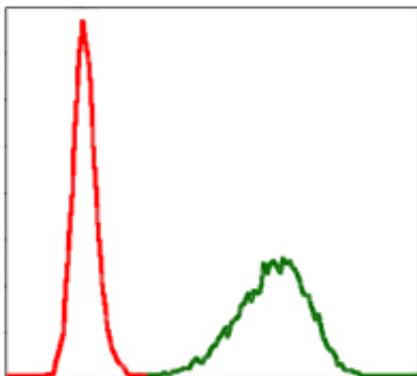
Western blot analysis of extracts from Jurkat, A549, MCF7, C6 and HeLa cell lysates using TUBA8 mouse mAb (1:5000 diluted). Predicted band size: 50 kDa. Observed band size: 50 kDa.



Western blot analysis using TUBA8 mouse mAb against rat heart (1) tissue lysate.

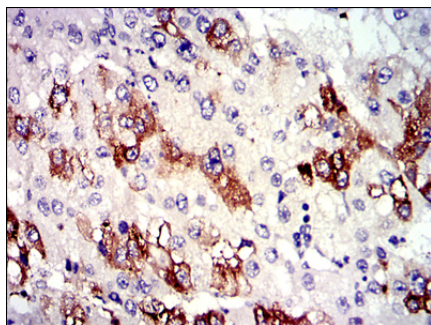
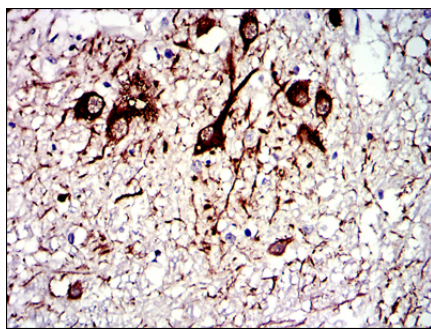


Immunofluorescence analysis of HeLa cells using TUBA8 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of NIH/3T3 cells using TUBA8 mouse mAb (green) and negative control (red).

Immunohistochemical analysis of paraffin-embedded medulla oblongata tissues using TUBA8 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded liver cancer tissues using TUBA8 mouse mAb with DAB staining.

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