

TUBA8 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1651a**Specification****TUBA8 Antibody - Product Information**

Application	WB, IHC, FC, ICC, E
Primary Accession	Q9NY65
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	50kDa KDa

Description

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.

Immunogen

Purified recombinant fragment of human TUBA8 expressed in E. Coli.

Formulation

Ascitic fluid containing 0.03% sodium azide.

TUBA8 Antibody - Additional Information

Gene ID 51807

Dilution

WB~~1/500 - 1/2000
IHC~~1/200 - 1/1000
FC~~1/200 - 1/400
ICC~~N/A
E~~1/10000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TUBA8 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TUBA8 Antibody - 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.

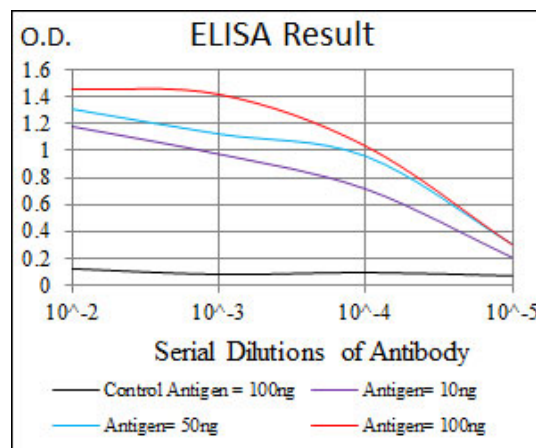
Tissue Location

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

TUBA8 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](#)



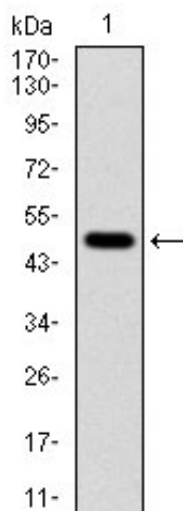


Figure 1: Western blot analysis using TUBA8 mAb against human TUBA8 (AA: 294-449) recombinant protein. (Expected MW is 50 kDa)

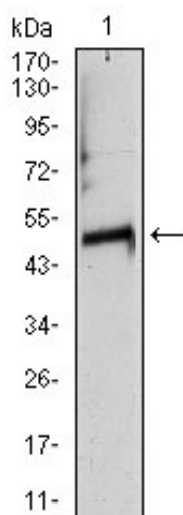


Figure 2: Western blot analysis using TUBA8 mouse mAb against rat heart (1) tissue lysate.

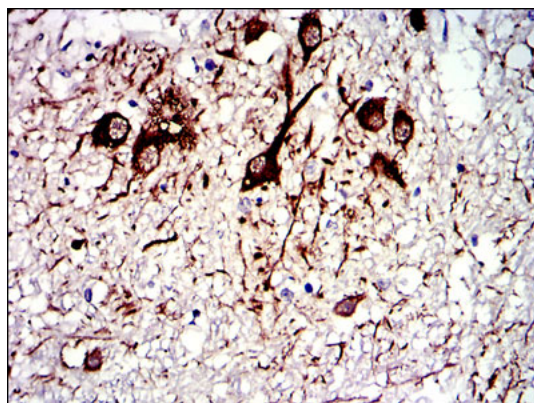


Figure 3: Immunohistochemical analysis of paraffin-embedded medulla oblongata tissues using TUBA8 mouse mAb with DAB staining.

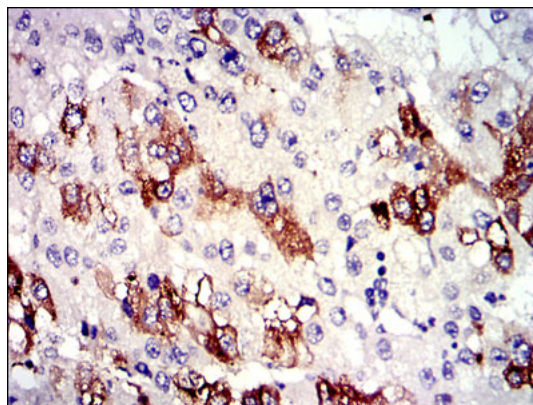


Figure 4: Immunohistochemical analysis of paraffin-embedded liver cancer tissues using TUBA8 mouse mAb with DAB staining.

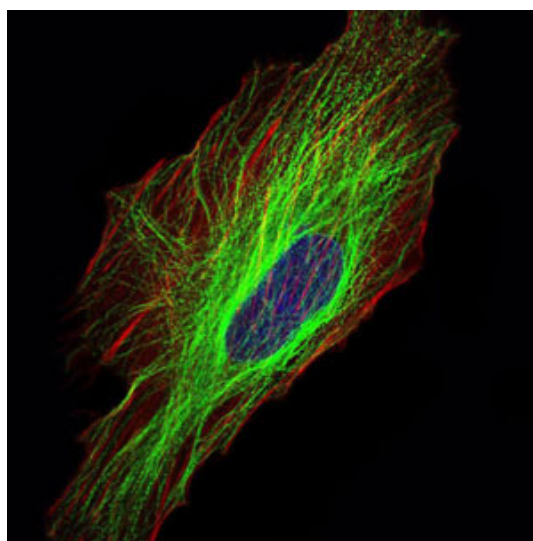


Figure 5: Immunofluorescence analysis of Hela cells using TUBA8 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

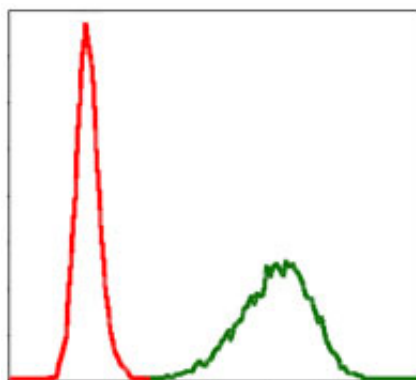


Figure 6: Flow cytometric analysis of NIH/3T3 cells using TUBA8 mouse mAb (green) and negative control (red).

TUBA8 Antibody - References

1. Am J Hum Genet. 2009 Nov;85(5):737-44.
2. Am J Hum Genet. 2009 Nov;85(5):628-42.

