

β -Tubulin Mouse mAb

Cat. QYA10738C

Background

This gene encodes a class III member of the beta tubulin protein family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is primarily expressed in neurons and may be involved in neurogenesis and axon guidance and maintenance. Mutations in this gene are the cause of congenital fibrosis of the extraocular muscles type 3. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 6.

Source

β -tubulin mouse monoclonal antibody is produced by immunizing animals with the internal region of human β -tubulin protein. The antibody was affinity-purified by affinity-chromatography using specific immunogen.

Product

Each vial contains 100ug mouse IgG diluted in 100ul of PBS pH7.4 containing 0.02% sodium azide and 50% glycerol. The antibody concentration is 1mg/ml.

Specificity

The antibody detects endogenous β -tubulin proteins.

Applications and Suggested Working Concentration

WB: 1:5000-1:10000

IF: 1:100-1:200

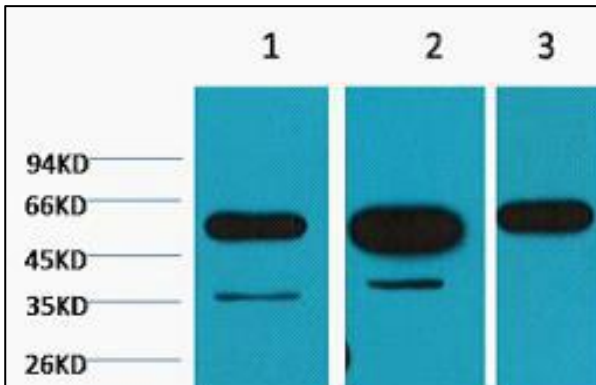
Storage

Storage at -20°C. Do not aliquot the antibody. Stable for one year from the date of shipment.

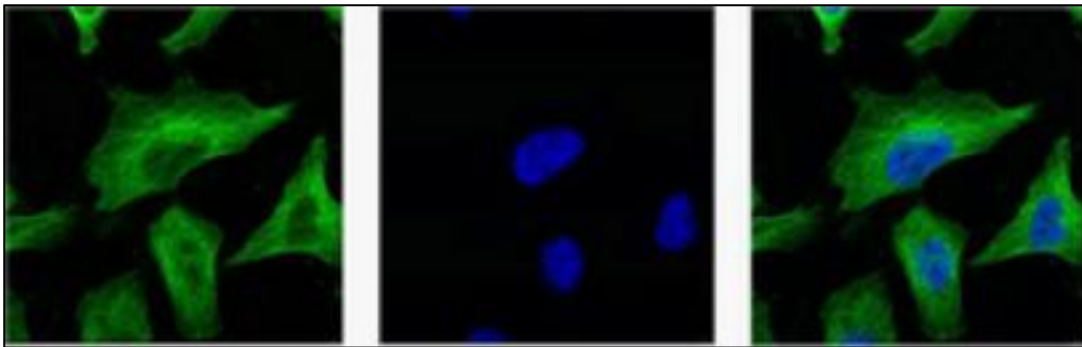
Research Use

For research use only, not for use in diagnostic procedures.

Data



Western blot analysis of 1.Hela 2.Mouse brain tissue 3.Rat brain tissue. Antibody was diluted at 1:5000.



IF analysis of HeLa with β -tubulin (left) and DAPI (middle). Antibody was diluted at 1:100.

β -tubulin Mouse mAb

Catalog No.	QYA10738C
Size.	100ug
Gene Name.	TUBB3
Protein Name.	Tubulin beta-3 chain
Source.	Mouse
Immunogen.	Synthesized peptide
Purification.	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using specific immunogen.
Specificity.	The antibody detects endogenous β -tubulin protein.
Formulation.	PBS, pH 7.4, containing 0.02% sodium azide and 50% Glycerol.
Concentration.	1 mg/ml
Storage / Stability.	-20°C/1 year
Human Gene ID.	10381
Human Swiss-Prot No.	Q13509
Mouse Gene ID	22152
Mouse Swiss-Prot No.	Q9ERD7
Rat Gene ID	246118
Rat Swiss-Prot No.	Q4QRB4
Reactivity.	H, M, R
Applications.	WB, IF
Predicted band (Da)	50433
Observed band (KDa)	55
Dilution.	WB:1:5000-1:10000, IF:1:100-1:200
Other name.	TUBB3; TUBB4; Tubulin beta-3 chain; Tubulin beta-4 chain; Tubulin beta-III