

Mouse beta-tubulin Monoclonal Antibody | anti-TUBB3 antibody

beta-tubulin Monoclonal Antibody (M7)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320445	Mouse	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Western Blot

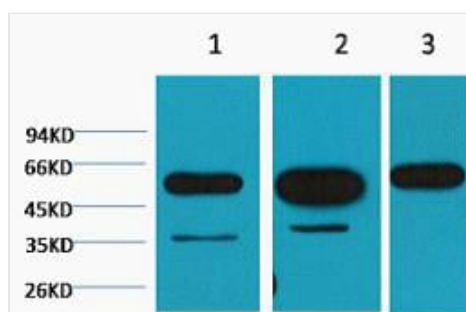
PRODUCT SYNONYMS

beta-tubulin; Monoclonal Antibody; beta-tubulin Monoclonal Antibody (M7); Tubulin beta-3 chain; TUBB3; TUBB4; Tubulin beta-4 chain; Tubulin beta-III; anti-TUBB3 antibody

PRODUCT SPECIFICATIONS

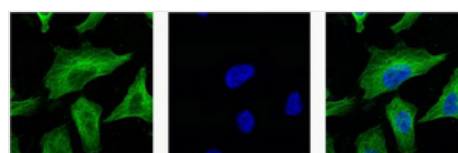
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	M7
Specificity	The antibody detects endogenous beta-tubulin protein.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Form/Format	PBS, pH 7.4, containing 0.5% BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-TUBB3 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Synthetic Peptide of beta-tubulin
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



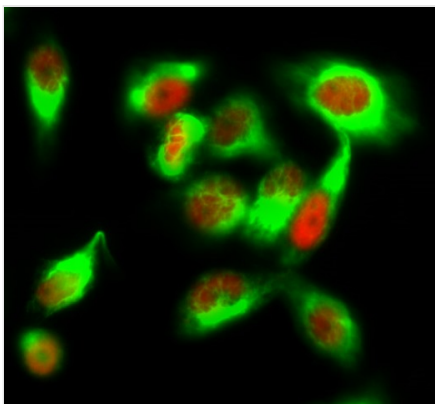
IF (Immunofluorescence)

Immunofluorescence analysis of Hela cell. 1. ERK 1/2 (phospho Tyr222/205) Polyclonal Antibody (red) was diluted at 1:200 (4 degree overnight). 2. tubulin Monoclonal Antibody (M7) (green) was diluted at 1:200 (4 degree overnight). 3. Goat Anti Rabbit Alexa Fluor 594 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 was diluted at 1:1000 (room temperature, 50min).



IHC (Immunohistochemistry)

IF analysis of Hela with antibody (Left) and DAPI (Right) diluted at 1:100.



WB (Western Blot)

Western blot analysis of 1) HeLa. 2) Mouse Brain tissue. 3) Rat Brain tissue. diluted at 1:5000.

ADDITIONAL INFORMATION

Related Product Information for anti-TUBB3 antibody	tubulin beta 3 class III(TUBB3) Homo sapiens 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. [provided by RefSeq, Oct 2010]
Product Categories/Family for anti-TUBB3 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	308235963
NCBI GeneID	10381
NCBI Accession #	NP_001184110.1
NCBI GenBank Nucleotide #	NM_001197181.1
UniProt Accession #	Q13509 ; Q9BTZ0 ; Q9BW10
Molecular Weight	50,433 Da
NCBI Official Full Name	tubulin beta-3 chain isoform 2
NCBI Official Synonym Full Names	tubulin, beta 3 class III
NCBI Official Symbol	TUBB3
NCBI Official Synonym Symbols	CDCBM; TUBB4; beta-4; CFEOM3A
NCBI Protein Information	tubulin beta-3 chain; tubulin beta-III; tubulin beta-4 chain; class III beta-tubulin
UniProt Protein Name	Tubulin beta-3 chain
UniProt Gene Name	TUBB3
UniProt Synonym Gene Names	TUBB4
UniProt Entry Name	TBB3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.