

Rabbit beta Tubulin Monoclonal Antibody | anti-TUBB antibody

Anti-beta Tubulin Rabbit Monoclonal Antibody

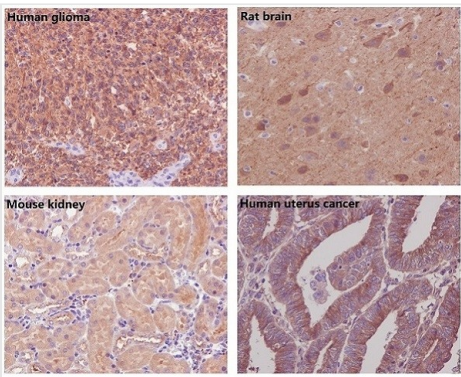
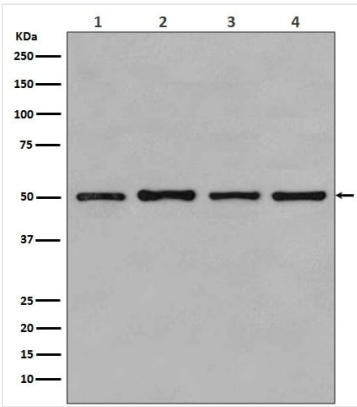
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124481	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

beta Tubulin; Monoclonal Antibody; Anti-beta Tubulin Rabbit Monoclonal Antibody; Tubulin beta chain; Tubulin beta-5 chain; TUBB; TUBB5; OK/SW-cl.56; anti-TUBB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	444
Applicable Applications for anti-TUBB antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	A synthesized peptide derived from human beta Tubulin
Subcellular Localization	Cytoplasm, cytoskeleton.
Tissue Specificity	Ubiquitously expressed with highest levels in spleen, thymus and immature brain.
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

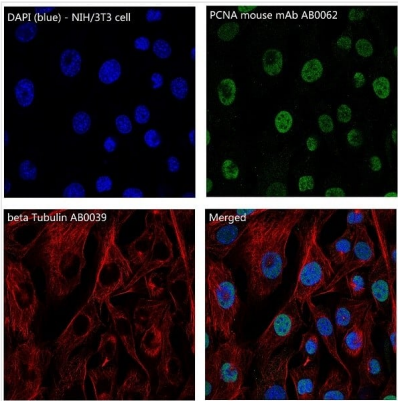


WB (Western Blot)

Western blot analysis of beta Tubulin expression in (1) MCF-7 cell lysate; (2) COS-1 cell lysate; (3) Jurkat cell lysate; (4) HeLa cell lysate (AAA124481). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TUBB monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TUBB

IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded (1) Human glioma; (2) Rat brain; (3) Mouse kidney; (4) Human uterus cancer, using beta Tubulin Antibody(AAA124481)TUBB was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TUBB Antibody (AAA124481)overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IF (Immunofluorescence)

Immunofluorescent analysis of NIH/3T3 cells, using beta Tubulin Antibody

ADDITIONAL INFORMATION

Related Product Information for anti-TUBB antibody	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.
Product Categories/Family for anti-TUBB antibody	Tags & Cell Markers; Subcellular Markers; Cytoskeleton; microtubules; Signal Transduction; Cytoskeleton/ECM; tubulin

NCBI AND UNIPROT INFORMATION

NCBI GI #	645912968
NCBI GeneID	203068
NCBI Accession #	NP_001280141.1
NCBI GenBank Nucleotide #	NM_001293212.1
UniProt Accession #	P07437; P05218; Q8WUC1; Q9CY33

Molecular Weight	49671 MW
NCBI Official Full Name	tubulin beta chain isoform a
NCBI Official Synonym Full Names	tubulin beta class I
NCBI Official Symbol	TUBB
NCBI Official Synonym Symbols	M40; TUBB1; TUBB5; CDCBM6; CSCSC1; OK/SW-cl.56
NCBI Protein Information	tubulin beta chain
UniProt Protein Name	Tubulin beta chain
UniProt Gene Name	TUBB
UniProt Synonym Gene Names	TUBB5

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/beta-tubulin-antibody-western-blot-immunocytochemistry-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/124481>