Rabbit alpha Tubulin Monoclonal Antibody | anti-TUBA1B antibody

Anti-alpha Tubulin Rabbit Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124498	**Rabbit**	**Human, Mouse, Rat**	**Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

alpha Tubulin; Monoclonal Antibody; Anti-alpha Tubulin Rabbit Monoclonal Antibody; Tubulin alpha-1B chain; Alpha-tubulin ubiquitous; Tubulin K-alpha-1; Tubulin alpha-ubiquitous chain; TUBA1B; anti-TUBA1B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	335
Applicable Applications for anti-TUBA1B antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Immunogen	A synthesized peptide derived from human alpha Tubulin
Subcellular Localization	Cytoplasm, cytoskeleton.
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.

IMAGES

WB (Western Blot)
Western blot analysis of alpha Tubulin 4A in NIH/3T3 cell lysate (AAA124498).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-TUBA1B 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 TUBA1B

IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human bladder, using alpha Tubulin Antibody(AAA124498)TUBA1B 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-TUBA1B Antibody (AAA124498)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 Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-TUBA1B 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-TUBA1B antibody	Signal Transduction; Cytoskeleton/ECM; Cytoskeleton; microtubules; tubulin

NCBI AND UNIPROT INFORMATION

NCBI GI #	57013276
NCBI GeneID	10376
NCBI Accession #	NP_006073.2
NCBI GenBank Nucleotide #	NM_006082.2
UniProt Accession #	P68363; P04687; P05209; Q27I68; Q8WU19
Molecular Weight	50152 MW
NCBI Official Full Name	tubulin alpha-1B chain
NCBI Official Synonym Full Names	tubulin alpha 1b
NCBI Official Symbol	TUBA1B
NCBI Official Synonym Symbols	K-ALPHA-1
NCBI Protein Information	tubulin alpha-1B chain
UniProt Protein Name	Tubulin alpha-1B chain
UniProt Gene Name	**TUBA1B**

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/alpha-tubulin-antibody-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/124498