

Mouse alpha-tubulin Monoclonal Antibody | anti-TUBA1B antibody

alpha-tubulin (Acetyl Lys40) Monoclonal Antibody (5H5)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320504	Mouse	Human, Rat, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

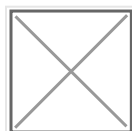
PRODUCT SYNONYMS

alpha-tubulin; Monoclonal Antibody; alpha-tubulin (Acetyl Lys40) Monoclonal Antibody (5H5); Tubulin alpha-1B chain (Alpha-tubulin ubiquitous)(Tubulin K-alpha-1)(Tubulin alpha-ubiquitous chain); anti-TUBA1B antibody

PRODUCT SPECIFICATIONS

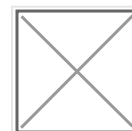
Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Clone Number	5H5
Specificity	alpha-tubulin (Acetyl Lys40) protein detects endogenous levels of alpha-tubulin (Acetyl Lys40)
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-TUBA1B antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic Peptide of alpha-tubulin (Acetyl Lys40)
Modification	Acetyl Specific
Function	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.
PTM	Undergoes a tyrosination/detyrosination cycle, the cyclic removal and re-addition of a C-terminal tyrosine residue by the enzymes tubulin tyrosine carboxypeptidase (TTCP) and tubulin tyrosine ligase (TTL), respectively. Belongs to the tubulin family.
Subunit	Dimer of alpha and beta chains.
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human Brain Tissue using α-tubulin(Acetyl Lys40) Mouse mAb diluted at 1:200.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells. untreated (-) or treated with TSA (1 μM. 18 hr; +). using Acetyl- α-tubulin(Lys40) Mouse mAb 1:2000.

ADDITIONAL INFORMATION

Product Categories/Family for anti-TUBA1B antibody	Primary Antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55977474
NCBI GeneID	10376
UniProt Accession #	P68363; P04687; P05209; Q27168; Q8WU19
Molecular Weight	37,218 Da
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; alpha tubulin; tubulin K-alpha-1; alpha-tubulin ubiquitous; tubulin, alpha, ubiquitous; tubulin alpha-ubiquitous chain
UniProt Protein Name	Tubulin alpha-1B chain
UniProt Gene Name	TUBA1B
UniProt Entry Name	TBA1B_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/alpha-tubulin-antibody-clone-5h5-immunofluorescence-immunohistochemistry-western-blot-elisa/320504>