Mouse anti-Human Tubulin-alpha Monoclonal Antibody | anti-TUBA antibody

Tubulin-alpha (Microtubule Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215374	**Mouse**	**Human**	**Immunohistochemistry**

PRODUCT SYNONYMS

Tubulin-alpha; Monoclonal Antibody; Tubulin-alpha (Microtubule Marker); Alpha-tubulin 1; Hum a tub1; Hum a tub2; Testis-specific alpha-tubulin; TUBA1; TUBA1A; Tuba4a; Tubulin alpha-1 chain; Tubulin H2-alpha; Tubulin; alpha 1 (testis specific); alpha 4a; anti-TUBA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	TUBA/3038
Specificity	Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulin. This MAb recognizes an epitope of alpha-tubulin. The alpha-tubulin is globular protein that exists in cells as part of soluble alpha/beta-tubulin dimer or it is polymerized into microtubules. In different species it is coded by multiple tubulin genes that form tubulin classes (in human 6 genes). Expressed tubulin genes are named tubulin isotypes. Some of the tubulin isotypes are expressed ubiquitously, while some have more restricted tissue expression. Alpha-tubulin is also subject of numerous post-translational modifications. Tubulin isotypes and their posttranslational modifications are responsible for multiple tubulin charge variants - tubulin isoforms. Heterogeneity of alpha-tubulin is concentrated in C-terminal structural domain
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml or Purified Ab with BSA and Azide at 200ug/ml or Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	451
Applicable Applications for anti-TUBA antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment (aa 1-115) of Human Tubulin Alpha protein (exact sequence is proprietary)
Cellular Localization	Cell Surfaceand Cytoplasmic
Hu-chromosome Location	2q35
Positive Control	Human prostate, lung or Colon tissues (IHC).
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



Application Data
Analysis of Protein Array containing more than 19,000 full-length human proteins using SGIP1 Mouse Monoclonal Antibody (SGIP1/2411) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Lung stained with Tubulin alpha Mouse Monoclonal Antibody (TUBA/3038).



SDS-PAGE
SDS-PAGE Analysis Purified Tubulin alpha Mouse Monoclonal Antibody (TUBA/3038). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Draber, P., et al. (1989) J. Cell Sci. 92, 519-528.

NCBI AND UNIPROT INFORMATION

NCBI GI #	55977474
NCBI GeneID	10376
UniProt Accession #	P68363; P68366
Molecular Weight	55kDa
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**
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/tubulin-alpha-antibody-clone-tuba-3038-immunohistochemistry-elisa/215374