Mouse anti-Human TUBB2b Monoclonal Antibody | anti-TUBB2b antibody

TUBB2b antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48070	**Mouse**	**Human**	**Immunohistochemistry, Western Blot, ELISA**

PRODUCT SYNONYMS

TUBB2b; Monoclonal Antibody; TUBB2b antibody; bA506K6.1; DKFZp566F223; FLJ98847; MGC8685; Tubulin beta-2B chain; tubulin beta 2B; anti-TUBB2b antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT5B3
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (determined by BCA assay) (varies by lot)
Sequence Length	445
Applicable Applications for anti-TUBB2b antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human TUBB2b (1-445aa) purified from E. coli
Clone Note	Anti-human TUBB2b mAb, clone AT5B3, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human TUBB2b protein.
Preparation and Storage	Can be stored at +2°C to +80°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES

IHC (Immunohiostchemistry)
Paraffin embedded sections of colorectal cancer tissue were incubated with anti-human beta-Tubulin antibody (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB).

WB (Western Blot)
The tissue lysate(40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human beta-Tubulin antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1: Mouse brain tissue lysate

ADDITIONAL INFORMATION

Related Product Information for anti-TUBB2b antibody	The protein encoded by this gene is a beta isoform of tubulin, which binds GTP and is a major component of microtubules. Multiple beta Tubulin isoforms have been characterized and are expressed in mammalian tissues. 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. TUBB2b is mainly expressed in developing neurons with a dominant expression during the critical steps of corticogenesis. Also, TUBB2B is a new critical gene involved in neuronal migration. It is present in the nuclei and nucleoplasm, Defects in this gene are a cause of asymmetric polymicrogyria.
Product Categories/Family for anti-TUBB2b antibody	Cytoskeleton
References	Xavier Hubert Jaglin, et al. (2009) Nat Genet, 41 (6):746-52.; Bouwmeester T, et al. (2004) Nat Cell Bio, 6 (2):97-105.; Modig, C, et al. (1999) Cell Motil Cytoskeleton, 42 (4): 315-330.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29788768
NCBI GeneID	347733
NCBI Accession #	NP_821080
NCBI GenBank Nucleotide #	NM_178012.4
UniProt Accession #	Q9BVA1; A8K068
NCBI Official Full Name	tubulin beta-2B chain
NCBI Official Synonym Full Names	tubulin beta 2B class IIb
NCBI Official Symbol	TUBB2B
NCBI Official Synonym Symbols	CDCBM7; PMGYSA; bA506K6.1
NCBI Protein Information	tubulin beta-2B chain
UniProt Protein Name	Tubulin beta-2B chain
UniProt Gene Name	**TUBB2B**

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/tubb2b-antibody-clone-at5b3-immunohistochemistry-western-blot-elisa/48070