

Mouse TBB5 Monoclonal Antibody | anti-TUBB antibody

TBB5 Antibody

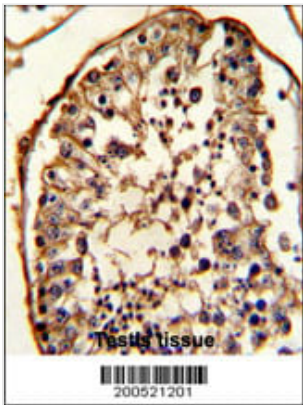
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283426	Mouse	Human, mouse, rat (Predicted Reactivity: Bovine, Hamster, Pig, Rat, Xenopus, Chicken)	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

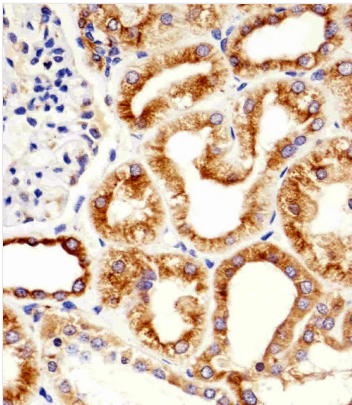
TBB5; Monoclonal Antibody; TBB5 Antibody; Tubulin beta chain; Tubulin beta-5 chain; TUBB; TUBB5; anti-TUBB antibody

PRODUCT SPECIFICATIONS

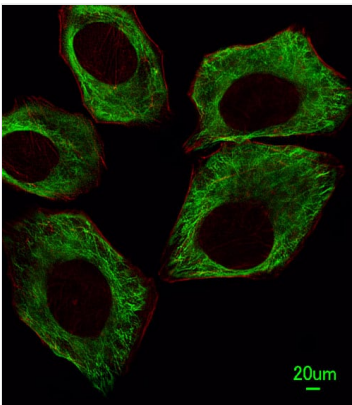
Host	Mouse
Reactivity	Human, mouse, rat (Predicted Reactivity: Bovine, Hamster, Pig, Rat, Xenopus, Chicken)
Clonality	Monoclonal
Isotype	IgG2b,Ig?
Clone Number	87CT59.3.7
Specificity	TBB5 recombinant protein is used to produce this monoclonal antibody.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	444
Applicable Applications for anti-TUBB antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



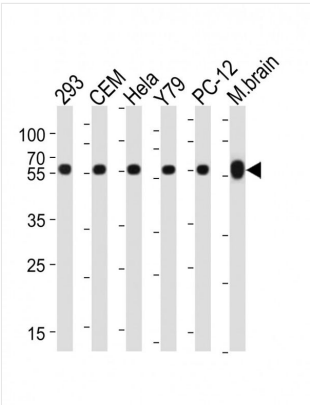
IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human testis reacted with TBB5 Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded H. kidney section using TBB5 Antibody. AAA283426 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



IF (Immunofluorescence)
Immunofluorescent analysis of A549 cells, using TBB5 Antibody. AAA283426 was diluted at 1:25 dilution. Dylight Fluor 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Dylight Fluor 554 (red) conjugated Phalloidin (red).



WB (Western Blot)
Western blot analysis of lysates from 293, CEM, HeLa, Y79, rat PC-12 cell line, mouse brain tissue lysate (from left to right), using TBB5 Antibody. AAA283426 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

ADDITIONAL INFORMATION

Product Categories/Family for anti-TUBB antibody	Crown Antibodies; Signal Transduction; Amyotrophic Lateral Sclerosis (ALS)
References	An approach based on a genome-wide association study reveals candidate loci for narcolepsy. Shimada M, et al. Hum Genet, 2010 Oct. PMID 20677014. High-density SNP screening of the major histocompatibility complex in systemic lupus erythematosus demonstrates strong evidence for independent susceptibility regions. Barcellos LF, et al. PLoS Genet, 2009 Oct. PMID 19851445. Proteome analysis of schizophrenia patients Wernicke's area reveals an energy metabolism dysregulation. Martins-de-Souza D, et al. BMC Psychiatry, 2009 Apr 30. PMID 19405953. Identification of interaction partners for individual SH3 domains of Fas ligand associated members of the PCH protein family in T lymphocytes. Linkermann A, et al. Biochim Biophys Acta, 2009 Feb. PMID 19041431. Alterations in oligodendrocyte proteins, calcium homeostasis and new potential markers in schizophrenia anterior temporal lobe are revealed by shotgun proteome analysis. Martins-de-Souza D, et al. J Neural Transm, 2009 Mar. PMID 19034380.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29788785
NCBI GeneID	203068

NCBI Accession #	NP_821133.1
NCBI GenBank Nucleotide #	NM_178014.3
UniProt Accession #	P07437; P05218; Q8WUC1; Q9CY33
Molecular Weight	49671
NCBI Official Full Name	tubulin beta chain isoform b
NCBI Official Synonym Full Names	tubulin, beta class I
NCBI Official Symbol	TUBB
NCBI Official Synonym Symbols	M40; TUBB1; TUBB5; CDCBM6; 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
UniProt Entry Name	TBB5_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/tbb5-antibody-clone-87ct59-3-7-immunofluorescence-immunohistochemistry-western-blot-elisa/283426>