

Rabbit beta Tubulin Polyclonal Antibody | anti-Tubb5 antibody

beta Tubulin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290734	Rabbit	Mouse, Rat; Predicted Reactivity: Bovine, Chicken, Human, Mouse, Pig, Rat	Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

beta Tubulin; Polyclonal Antibody; Tubulin beta-5 chain; Tubb5; anti-Tubb5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat; Predicted Reactivity: Bovine, Chicken, Human, Mouse, Pig, Rat
Clonality	Polyclonal
Isotype	Ig
Specificity	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 46-78 amino acids from human.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	444
Applicable Applications for anti-Tubb5 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Subtitle	Purified Rabbit Polyclonal Antibody (Pab)
Cellular Location	Cytoplasm, cytoskeleton.
Calculated MW	49671
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.
Tissue Location	Ubiquitously expressed with highest levels in spleen, thymus and immature brain. Expressed in embryonic brain, including throughout the developing cortex and in the subventricular zone. Also found in radial glial cells, intermediate progenitors, migrating neurons and postmitotic neurons.
Antigen Type	Synthesized Peptide
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

All lanes : Anti-beta Tubulin at 1:2000 dilutionLane 1: C2C12 whole cell lysateLane 2: L6 whole cell lysateLane 3: mouse brain lysateLane 4: mouse spleen whole cell lysateLane 5: mouse thymus lysateLane 6: NIH/3T3 whole cell lysate Lysates/proteins at 20 ug per lane.Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 50 kDaBlocking/Dilution buffer: 5% NFDm/TBST.



FCM/FACS (Flow Cytometry)

Overlay histogram showing C2C12 cells stained with AAA290734(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specificprotein-protein interactions followed by the antibody (AAA290734, 1:25 dilution) for 60 min at 37 degree C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37 degree C. Isotype control antibody (blue line) was rabbit IgG1 (1ug/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



IHC (Immunohistochemistry)

AAA290734 staining beta Tubulin in mouse thymus tissue sections by Immunohistochemistry (IHC-P -paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 degree C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-Tubb5 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-Tubb5 antibody	Crown Antibodies; Primary Antibodies; Signal Transduction
References	Wang D.,et al.J. Cell Biol. 103:1903-1910 (1986). Carninci P.,et al.Science 309:1559-1563 (2005). Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112 (2009). Lubec G.,et al.Submitted (JUL-2007) to UniProtKB. Lewis S.A.,et al.J. Cell Biol. 101:852-861 (1985).

NCBI AND UNIPROT INFORMATION

NCBI GI #	7106439
NCBI GeneID	22154
NCBI Accession #	NP_035785.1
NCBI GenBank Nucleotide #	NM_011655.5
UniProt Accession #	P99024; P05218; Q3TFB6; Q3THH9; Q3TIL1; Q3UAV4; Q3UF52; Q8WUC1; Q9CY33; B1B178
NCBI Official Full Name	tubulin beta-5 chain
NCBI Official Synonym Full Names	tubulin, beta 5 class I
NCBI Official Symbol	Tubb5
NCBI Official Synonym Symbols	AA408537; AI596182; M(beta)5; B130022C14Rik
NCBI Protein Information	tubulin beta-5 chain
UniProt Protein Name	Tubulin beta-5 chain
UniProt Gene Name	Tubb5

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/beta-tubulin-antibody-immunohistochemistry-flow-cytometry-western-blot-elisa/290734>