

Rabbit beta Tubulin Polyclonal Antibody | anti-Tubb5 antibody

beta Tubulin

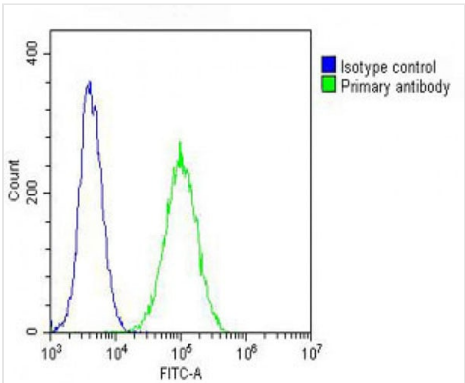
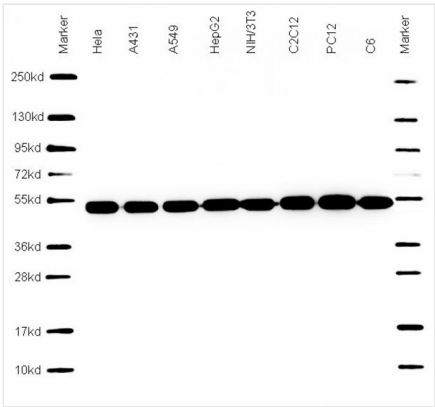
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290957	Rabbit	Human, Mouse, Rat Predicted: C.Elegans, Chicken, Drosophila, Monkey, Bovine, Xenopus, Hamster, Pig	ELISA, Western Blot

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: C.Elegans, Chicken, Drosophila, Monkey, Bovine, Xenopus, Hamster, Pig
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 46-78 amino acids from human.
Sequence Length	444
Applicable Applications for anti-Tubb5 antibody	ELISA, WB (Western Blot)
Source	Human
Function	Tubulin is the major constituent of microtubules, a cylinder consisting of laterally associated linear protofilaments composed of alpha- and beta-tubulin heterodimers. Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms. Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin.
Cellular Location	Cytoplasm, cytoskeleton
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 (PubMed:23246003). Expressed in skin and developing hair follicle (PubMed:26637975)
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.



FCM/FACS (Flow Cytometry)
Overlay histogram showing NIH/3T3 cells stained 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 IgG (1μg/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.

WB (Western Blot)
All lanes : Anti-beta Tubulin Antibody at 1:4000 dilution
Lane 1: HeLa whole cell lysate
Lane 2: A431 whole cell lysate
Lane 3: A549 whole cell lysate
Lane 4: HepG2 whole cell lysate
Lane 5: NIH/3T3 whole cell lysate
Lane 6: C2C12 whole cell lysate
Lane 7: PC-12 whole cell lysate
Lane 8: C6 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 : 55 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-Tubb5 antibody	Description: Purified Rabbit Polyclonal Antibody (Pab) Background: 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	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 #	NP_035785.1
UniProt Accession #	P99024; Q17299; P12456; P09203; Q24560; Q9YHC3; Q27U48; O17449; P36221; Q6EVK8; Q13885; Q4R5B3; Q7TMM9; P85108; Q6B856; Q9BVA1; Q9CWF2; Q3KRE8; P52275; P32882; P83130; P61858; P61857; P13602; Q2T9S0; P09206; Q13509; Q60HC2; Q9ERD7; Q4QRB4; Q3ZBU7; P04350; Q4R4X8
Molecular Weight	M=50 kda
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

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-western-blot-elisa/290957>