

Rabbit anti-Human TUBB4A Polyclonal Antibody | anti-TUBB4A antibody

Anti-TUBB4A Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255004	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

TUBB4A; Polyclonal Antibody; Anti-TUBB4A Antibody; Rabbit Polyclonal; TUBB4A Antibody; Rabbit PAb; Antigen Affinity Purified; tubulin; beta 4A class IVa; Anti-beta-5 Antibody; Anti-DYT4 Antibody; Anti-HLD6 Antibody; Anti-TUBB4 Antibody; Anti-TUBB5 Antibody; anti-TUBB4A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TUBB4A
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-TUBB4A antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human TUBB4A
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human TUBB4A, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of TUBB4A in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human TUBB4A polyclonal antibody (dilution ratio 1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoskeleton.



WB (Western Blot)

Anti-TUBB4A rabbit polyclonal antibody at 1:5000 dilution Lane A: HeLa Whole Cell Lysate Lane B: Jurkat Whole Cell Lysate Lane C: HEK293 Whole Cell Lysate Lane D: K562 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 50 kDa Observed band size: 54 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TUBB4A antibody	The tubulin beta-4A gene (TUBB4A) is associated with two different clinical conditions, dystonia type 4 (DYT4) and hypomyelination with atrophy of the basal ganglia and cerebellum (H-ABC). Dystonia-4 (DYT4) is another autosomal dominant dystonia that is characterized by onset in the second to third decade of progressive laryngeal dysphonia. DYT4 is associated with the mutation of the TUBB4A gene. DYT4-associated TUBB4A mutants themselves form aberrant tubulin networks and inhibit neuronal process growth. Mutations in TUBB4A, encoding the tubulin isoform tubulin beta class IVA (Tubb4a), result in the symptom complex of hypomyelination with atrophy of basal ganglia and cerebellum (H-ABC). Additionally, TUBB4A mutations are known to result in a broad phenotypic spectrum, ranging from primary dystonia (DYT4), isolated hypomyelination with spastic quadriplegia, and an infantile onset encephalopathy, suggesting multiple cell types may be involved.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	574584803
NCBI GeneID	10382
NCBI Accession #	NP_001276052.1
NCBI GenBank Nucleotide #	NM_001289123.1
UniProt Accession #	P04350; Q969E5; B3KQP4
Molecular Weight	49,586 Da
NCBI Official Full Name	tubulin beta-4A chain isoform 1
NCBI Official Synonym Full Names	tubulin, beta 4A class IVa
NCBI Official Symbol	TUBB4A
NCBI Official Synonym Symbols	DYT4; TUBB4; beta-5
NCBI Protein Information	tubulin beta-4A chain
UniProt Protein Name	Tubulin beta-4A chain
UniProt Gene Name	TUBB4A
UniProt Synonym Gene Names	TUBB4; TUBB5
UniProt Entry Name	TBB4A_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/polyclonal/tubb4a-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/255004>