Rabbit Tubulin alpha Polyclonal Antibody | anti-TUBA1A antibody

Tubulin alpha Rabbit Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA319046	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

Tubulin alpha; Polyclonal Antibody; Tubulin alpha Rabbit Polyclonal Antibody; TUBA1A; TUBA3; Tubulin alpha-1A chain; Alpha-Tubulin alpha; Tubulin alpha-alpha-1; Tubulin alpha-3 chain; TUBA1B; Tubulin alpha-1B chain; Alpha-Tubulin alphabiquitousTubulin alpha-alpha-1; Tubulin alpha-ubiquitous chain; TUBA1C; TUBA6; Tubulin alpha-1C chain; Tubulin alpha-6 chain; BH6842; Tubulin alpha-1A chain/Tubulin alpha-1B chain/Tubulin alpha-1C chain; anti-TUBA1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Tubulin alpha Polyclonal Antibody detects endogenous levels of Tubulin alpha protein only when acetylation at K112.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-TUBA1A antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthesized peptide derived from human Tubulin alpha around the non-acetylation site of K112.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES

WB (Western Blot)
Western Blot analysis of K562, PC12 cells using Tubulin ? Polyclonal Antibody. Secondary antibody was diluted at 1:20000

IHC (Immunohiostchemistry)
Immunohistochemical analysis of paraffin-embedded mouse-muscle, antibody was diluted at 1:100

IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse-muscle, antibody was diluted at 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-TUBA1A antibody	Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulins. The genes encoding these microtubule constituents belong to the Tubulin alphauperfamily, which is composed of six distinct families. Genes from the alpha, beta and gamma Tubulin alphaamilies are found in all eukaryotes. The alpha and beta tubulins represent the major components of microtubules, while gamma Tubulin alphalays a critical role in the nucleation of microtubule assembly. There are multiple alpha and beta Tubulin alphaenes, which are highly conserved among species. This gene encodes alpha Tubulin alphand is highly similar to the mouse and rat Tuba1 genes. Northern blotting studies have shown that the gene expression is predominantly found in morphologically differentiated neurologic cells. This gene is one of three alpha-Tubulin alphaenes in a cluster on chromosome 12q.

NCBI AND UNIPROT INFORMATION

NCBI GI #	55977864
NCBI GeneID	7846
UniProt Accession #	Q71U36; P68363; Q9BQE3
Molecular Weight	46,297 Da
NCBI Official Full Name	Tubulin alpha-1A chain
NCBI Official Synonym Full Names	tubulin, alpha 1a
NCBI Official Symbol	TUBA1A
NCBI Official Synonym Symbols	LIS3; TUBA3; B-ALPHA-1
NCBI Protein Information	tubulin alpha-1A chain; hum-a-tub1; hum-a-tub2; tubulin B-alpha-1; tubulin alpha-3 chain; tubulin, alpha, brain-specific
UniProt Protein Name	Tubulin alpha-1A chain
UniProt Gene Name	**TUBA1A**
UniProt Synonym Gene Names	TUBA3
UniProt Entry Name	TBA1A_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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