

Rabbit TUBA4A Polyclonal Antibody | anti-TUBA4A antibody

TUBA4A antibody - middle region

CATALOG # AAA198572	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep	APPLICATIONS Western Blot, Immunoprecipitation, Immunohistochemistry
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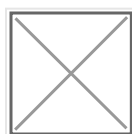
PRODUCT SYNONYMS

TUBA4A; Polyclonal Antibody; TUBA4A antibody - middle region; anti-TUBA4A antibody

PRODUCT SPECIFICATIONS

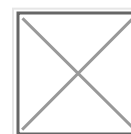
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: YAKRAFDVHWYVGEGMEEGEFSEAREDMAALEKDYEEVGIDSYEDEEGEE
Sequence Length	448
Applicable Applications for anti-TUBA4A antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human TUBA4A
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-TUBA4A Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:12500
Positive Control: Human Placenta



WB (Western Blot)

Sample Type: Mouse Brain
Sample Type: 1. Human NT-2 cells (60ug)
2. and 3. mouse brain extracts (80ug)
4. rat brain extract (80ug)
Primary Antibody Dilution: 2ug/ml
Secondary Antibody: IRDye 800CW goat anti-rabbit from Li-COR Bioscience
Secondary Antibody Dilution: 1: 20,000
Image Submitted by: Yuzhi Chen
University of Arkansas for Medical Science



IP (Immunoprecipitation)

Sample Type: Mouse brainAmount and Sample Type :500 ug mouse brain homogenateAmount of IP Antibody :6 ugPrimary Antibody :TUBA4APrimary Antibody Dilution :1:500Secondary Antibody :Goat anti-rabbit Alexa-Fluor 594Secondary Antibody Dilution :1:5000Gene Name :TUBA4ASubmitted by :Dr. Yuzhi Chen, University of Arkansas for Medical Science



IHC (Immunohistochemistry)

Sample Type :Mouse brain stem cellsPrimary Antibody Dilution :1:500Secondary Antibody :Goat anti-rabbit Alexa-Fluor 594Secondary Antibody Dilution :1:1000Color/Signal Descriptions :TUBA4A: Red DAPI:BlueGene Name :TUBA4A Submitted by :Dr. Yuzhi Chen, University of Arkansas for Medical Science

ADDITIONAL INFORMATION

Related Product Information for anti-TUBA4A antibody	<p>This is a rabbit polyclonal antibody against TUBA4A. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulin. The genes encoding these microtubule constituents are part of the tubulin superfamily, which is composed of six distinct families. Genes from the alpha, beta and gamma tubulin families are found in all eukaryotes. The alpha and beta tubulins represent the major components of microtubules, while gamma tubulin plays a critical role in the nucleation of microtubule assembly. There are multiple alpha and beta tubulin genes and they are highly conserved among and between species. This gene encodes an alpha tubulin that is a highly conserved homolog of a rat testis-specific alpha tubulin. Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulin. The genes encoding these microtubule constituents are part of the tubulin superfamily, which is composed of six distinct families. Genes from the alpha, beta and gamma tubulin families are found in all eukaryotes. The alpha and beta tubulins represent the major components of microtubules, while gamma tubulin plays a critical role in the nucleation of microtubule assembly. There are multiple alpha and beta tubulin genes and they are highly conserved among and between species. This gene encodes an alpha tubulin that is a highly conserved homolog of a rat testis-specific alpha tubulin. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p>
Product Categories/Family for anti-TUBA4A antibody	Polyclonal ; Drugs and Drug Metabolism ; Chromatin & Nuclear Signaling ; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	17921989
NCBI GeneID	7277
NCBI Accession #	NP_005991
NCBI GenBank Nucleotide #	NM_006000
UniProt Accession #	P68366
Molecular Weight	50kDa
NCBI Official Full Name	tubulin alpha-4A chain isoform 1
NCBI Official Synonym Full Names	tubulin alpha 4a
NCBI Official Symbol	TUBA4A
NCBI Official Synonym Symbols	ALS22; TUBA1; H2-ALPHA
NCBI Protein Information	tubulin alpha-4A chain
UniProt Protein Name	Tubulin alpha-4A chain
UniProt Gene Name	TUBA4A
UniProt Synonym Gene Names	TUBA1
UniProt Entry Name	TBA4A_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/tuba4a-antibody-western-blot-immunoprecipitation-immunohistochemistry-elisa/198572>