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anti-TUBA4A antibody (Middle Region)



Images



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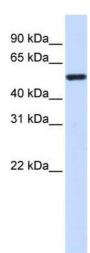
Overview	
Quantity:	100 μL
Target:	TUBA4A
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Sheep, Rabbit, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TUBA4A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TUBA4A
Sequence:	YAKRAFVHWY VGEGMEEGEF SEAREDMAAL EKDYEEVGID SYEDEDEGEE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against TUBA4A. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	TUBA4A

Alternative Name:	TUBA4A (TUBA4A Products)
Background:	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
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	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.
	Alias Symbols: FLJ30169, H2-ALPHA, TUBA1
	Protein Interaction Partner: MAPT, CDC20, HAUS1, CEP76, HAUS2, MAGED2, TUBGCP2, CEP57
	UBC, TUBG1, TP53, SUMO2, STAU1, MDM2, MGRN1, RPA3, RPA2, RPA1, rev, TUBB, TUBA1C,
	TUBB6, TUBA4B, TUBB4B, TUBA1A, TXNRD1, TUBB2A, RPS27A, PRPS1, YBX1, HSPA5,
	HSPA1A, CRYZ, PARK2, EGFR, SOX2, ICAM1,
	Protein Size: 448
Molecular Weight:	50 kDa
Gene ID:	7277
NCBI Accession:	NM_006000, NP_005991
UniProt:	P68366
Pathways:	Microtubule Dynamics, M Phase
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.

Application Details

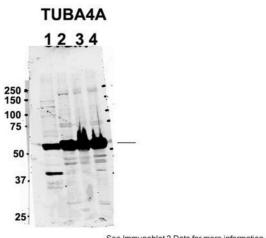
Comment:	Antigen size: 448 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small
	aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

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



See Immunoblot 2 Data for more information.

TUBA4A 50-37-25-

Western Blotting

Image 2. 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

Western Blotting

Image 3. IP Suggested Anti-TUBA4A Antibody

Positive Control: NT2 CELL/BRAIN TISSUE

See Other Application 1 Data and Customer Feedback tab for more information.

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Please check the product details page for more images. Overall 5 images are available for ABIN2778649.