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anti-TUBB antibody (AA 40-260)



Images



Publications



Go to Product page

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Quantity:	100 μL
Target:	TUBB
Binding Specificity:	AA 40-260
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TUBB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 40-260 of human beta-Tubulin (NP_006077.2).
Immunogen: Sequence:	
	human beta-Tubulin (NP_006077.2). SDLQLERISV YYNEASSHKY VPRAILVDLE PGTMDSVRSG AFGHLFRPDN FIFGQSGAGN NWAKGHYTEG AELVDSVLDV VRKECENCDC LQGFQLTHSL GGGTGSGMGT LLISKVREEY PDRIMNTFSV VPSPKVSDTV VEPYNATLSI HQLVENTDET YCIDNEALYD ICFRTLKLAT
Sequence:	human beta-Tubulin (NP_006077.2). SDLQLERISV YYNEASSHKY VPRAILVDLE PGTMDSVRSG AFGHLFRPDN FIFGQSGAGN NWAKGHYTEG AELVDSVLDV VRKECENCDC LQGFQLTHSL GGGTGSGMGT LLISKVREEY PDRIMNTFSV VPSPKVSDTV VEPYNATLSI HQLVENTDET YCIDNEALYD ICFRTLKLAT PTYGDLNHLV SATMSGVTTS LRFPGQLNAD LRKLAVNMVP F
Sequence: Isotype:	human beta-Tubulin (NP_006077.2). SDLQLERISV YYNEASSHKY VPRAILVDLE PGTMDSVRSG AFGHLFRPDN FIFGQSGAGN NWAKGHYTEG AELVDSVLDV VRKECENCDC LQGFQLTHSL GGGTGSGMGT LLISKVREEY PDRIMNTFSV VPSPKVSDTV VEPYNATLSI HQLVENTDET YCIDNEALYD ICFRTLKLAT PTYGDLNHLV SATMSGVTTS LRFPGQLNAD LRKLAVNMVP F

Target Details

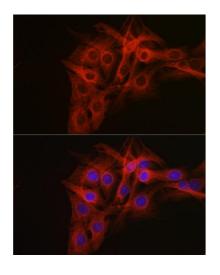
Target:	TUBB		
Alternative Name:	TUBB (TUBB Products)		
Background:	This gene encodes a beta tubulin protein. This protein forms a dimer with alpha tubulin and		
	acts as a structural component of microtubules. Mutations in this gene cause cortical		
	dysplasia, complex, with other brain malformations 6. Alternative splicing results in multiple		
	splice variants. There are multiple pseudogenes for this gene on chromosomes 1, 6, 7, 8, 9, and		
	13.,CDCBM6,CSCSC1,M40,OK/SW-cl.56,TUBB1,TUBB5,Beta Tubulin,TUBB,β-Tubulin,Signal		
	Transduction,Cell Biology & Developmental Biology,Cell		
	Cycle,Centrosome,Cytoskeleton,Microtubules,TUBB		
Molecular Weight:	50 kDa		
Gene ID:	203068		
UniProt:	P07437		
Pathways:	Microtubule Dynamics, M Phase		
Application Details			
Application Notes:	WB,1:500 - 1:5000,IHC,1:50 - 1:200,IF,1:50 - 1:200		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.		
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 freeze / thaw cycles		
Storage:	-20 °C		
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.		
Publications			
	Sun, Ji, Guo, Liu, Wang, Ma, Hu, Wang, Jiang: "Early adventitial activation characterized by		

NADPH oxidase expression and neovascularization in an aortic transplantation model." in:

Experimental and molecular pathology, Vol. 100, Issue 1, pp. 67-73, (2016) (PubMed).

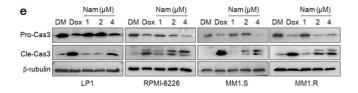
There are more publications referencing this product on: Product page

Validation report #104427 for Immunohistochemistry (IHC)



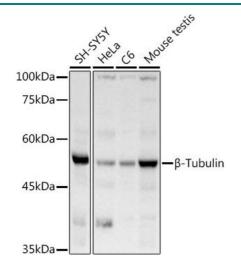
Immunofluorescence

Image 1. Immunofluorescence analysis of C6 cells using β -Tubulin Rabbit pAb (ABIN3020552, ABIN3020553 and ABIN3020554) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Nam decreases MM cell viability and induces their apoptosis.a, b MM cells were incubated with Nam for 24h (a) and 72h (b) followed by MTT assay. c MM cell lines were treated with DMSO (DM), Nam (4µM) or doxorubicin (Dox, 1 μM) for 24h followed by IB analyses. d LP1 and RPMI-8226 cells were treated with Nam for 24h, followed by IB assay. e MM cells were treated with Dox (1µM) or Nam for 24h, followed by Caspase-3 (Cas-3) cleavage analysis. f LP1 and RPMI-8226 cells were treated with Nam and Z-DEVD for 24h, followed by IB assay against Caspase-3 and PARP. g Bone marrow mononuclear cells from MM patients (n=20) or healthy donors (n=5) were mixed with Nam-containing MethoCultTM medium, followed by seeding in 3.5-cm plates. Colonies containing >20 cells were counted on day 14 from 20 microscopic fields. h Representative colonies from (g) were photographed. ***p<0.001. GAPDH and β tubulin were used as internal loading controls. - figure provided by CiteAb. Source: PMID32999280



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, β-Tubulin antibody (ABIN3020552, using ABIN3020553 ABIN3020554) 1:1000 and at dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

Please check the product details page for more images. Overall 7 images are available for ABIN3020553.