

Datasheet for ABIN3020551
anti-TUBA4A antibody (AA 1-180)



[Go to Product page](#)

5 Images

4 Publications

Overview

Quantity:	200 µL
Target:	TUBA4A
Binding Specificity:	AA 1-180
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TUBA4A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-180 of human alpha-Tubulin (NP_005991.1).
Sequence:	MRECISVHVG QAGVQMGNAC WELCYCLEHGI QPDGQMPSDK TIGGGDDSFT TFFCETGAGK HVPRAVFVDL EPTVIDEIRN GPYRQLFHPE QLITGKEDAA NNYARGHYTI GKEIIDPVLD RIRKLSQDCT GLQGFLVFHS FGGGTGSGFT SLLMERLSVD YGKKSKLEFS IYPAPQVSTA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Loading control Antibodies
Purification:	Affinity purification

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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.,TUBA4A,ALS22,H2-ALPHA,TUBA1,Signal Transduction,Cell Biology & Developmental Biology,Cell Cycle,Centrosome,Cytoskeleton,Microtubules,TUBA4A
Molecular Weight:	48 kDa/49 kDa
Gene ID:	7277
UniProt:	P68366
Pathways:	Microtubule Dynamics, M Phase

Application Details

Application Notes:	WB,1:2000 - 1:10000,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

Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Publications

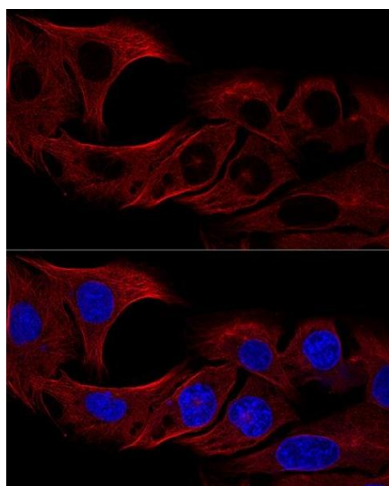
Product cited in: Fan, Long, Yan, Wang, Shi, Bao, Hu, Li, Chen, Zheng, Yan: "Dietary leucine supplementation alters energy metabolism and induces slow-to-fast transitions in longissimus dorsi muscle of weanling piglets." in: **The British journal of nutrition**, Vol. 117, Issue 9, pp. 1222-1234, (2017) ([PubMed](#)).

Zou, Wang, Hu, Zheng, Xu, Li: "Specific tumor-derived CCL2 mediated by pyruvate kinase M2 in colorectal cancer cells contributes to macrophage recruitment in tumor microenvironment." in: **Tumour biology**, Vol. 39, Issue 3, pp. 1010428317695962, (2017) ([PubMed](#)).

Jia, Kavungal, Jiang, Zhao, Sun, Wang, Song: "The characterization of hematopoietic tissue in adult Chinese mitten crab *Eriocheir sinensis*." in: **Developmental and comparative immunology**, Vol. 60, pp. 12-22, (2016) ([PubMed](#)).

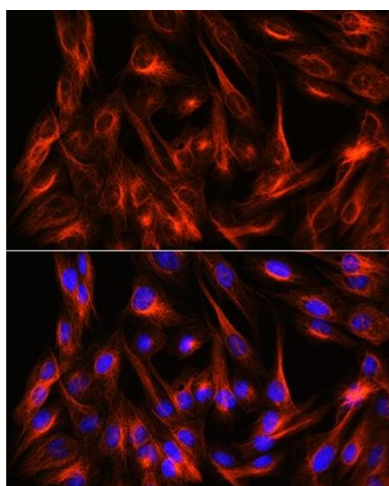
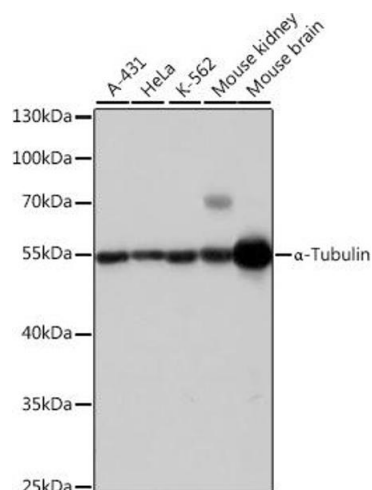
Ye, Jiang, Cui, Zhu, Sun, Wang, Zohaib, Dong, Ruan, Song, He, Chen, Cao: "Etanercept reduces neuroinflammation and lethality in mouse model of Japanese encephalitis." in: **The Journal of infectious diseases**, Vol. 210, Issue 6, pp. 875-89, (2014) ([PubMed](#)).

Images



Immunofluorescence

Image 1. Confocal immunofluorescence analysis of U2OS cells using α -Tubulin antibody (ABIN3020549, ABIN3020550 and ABIN3020551) at dilution of 1:100 (60x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using α-Tubulin antibody (ABIN3020549, ABIN3020550 and ABIN3020551) at 1:1000 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.

Immunofluorescence

Image 3. Immunofluorescence analysis of C6 cells using α-Tubulin Rabbit pAb (ABIN3020549, ABIN3020550 and ABIN3020551) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3020551.