

Rabbit alpha Tubulin 4a Polyclonal Antibody

alpha Tubulin 4a antibody

CATALOG # AAA107775	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence
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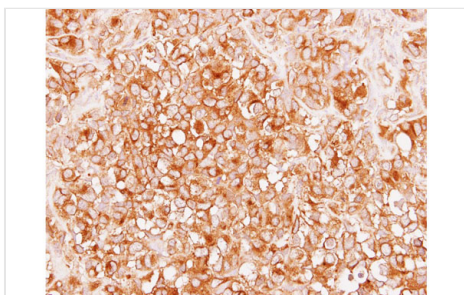
PRODUCT SYNONYMS

alpha Tubulin 4a; Polyclonal Antibody; alpha Tubulin 4a antibody; Polyclonal alpha Tubulin 4a; Anti-alpha Tubulin 4a; alpha Tubulin a-4; alpha Tubulin a 4; tubulin alpha-4A chain; TUBA4A; tubulin H2-alpha; TUBA1; H2-alpha; FLJ30169; tubulin alpha 1 (testis specific); anti-alpha Tubulin 4a antibody

PRODUCT SPECIFICATIONS

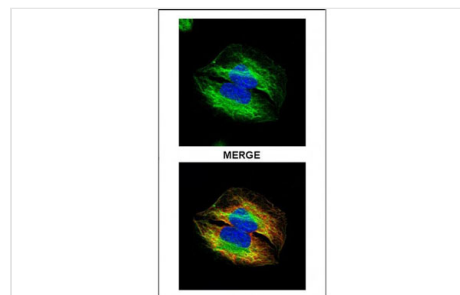
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	alpha Tubulin 4a antibody was purified by antigen-affinity chromatography
Form/Format	Supplied as a concentrated solution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Concentration	0.92 mg/ml (varies by lot)
Applicable Applications for anti-alpha Tubulin 4a antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence)
Biological Significance	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.
Cross-Reactivity	Human, Mouse
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



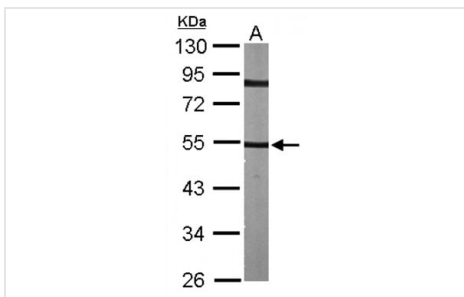
IHC (Immunohistochemistry)

Immunohistochemical staining of paraffin-embedded H661 xenograft using alpha Tubulin 4a antibody at a dilution of 1:100



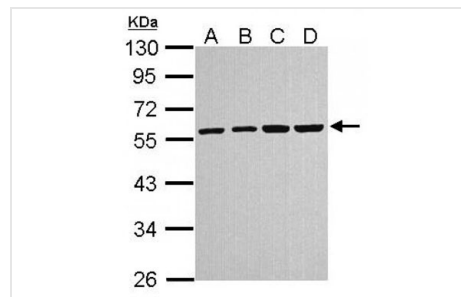
IF (Immunofluorescence)

Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed U2OS, using alpha Tubulin 4a antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with (Red) at 1:2000.



WB (Western Blot)

Western blot analysis of 30 ug of whole cell lysate (A: NIH-3T3) using a 10 % SDS PAGE gel and alpha Tubulin 4a antibody at a dilution of 1:1000



WB (Western Blot)

Western blot analysis of 30 ug of whole cell lysate (A: A431; B: H1299; C: HeLa; D: Molt-4) using a 10 % SDS PAGE gel and alpha Tubulin 4a antibody at a dilution of 1:1000

ADDITIONAL INFORMATION

Related Product Information for anti-alpha Tubulin 4a antibody	Affinity purified Rabbit polyclonal alpha Tubulin 4a antibody
Product Categories/Family for anti-alpha Tubulin 4a antibody	Cell Biology; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

Molecular Weight	50 kDa
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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/alpha-tubulin-4a-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-elisa/107775>