

α -Tubulin Rabbit mAb

Catalog No.: AC049 **Recombinant**

Basic Information

Observed MW

50kDa

Calculated MW

50kDa

Category

Loading control antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC51243

Background

Enables double-stranded RNA binding activity and ubiquitin protein ligase binding activity. Predicted to be involved in microtubule cytoskeleton organization and mitotic cell cycle. Predicted to act upstream of or within cellular response to interleukin-4. Located in microtubule.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

10376

Swiss Prot

P68363

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-42 of human α -Tubulin(NP_006073.2).

Synonyms

K-ALPHA-1; α -Tubulin

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

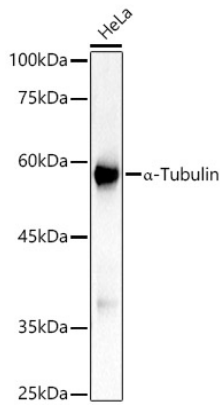
Affinity purification

Storage

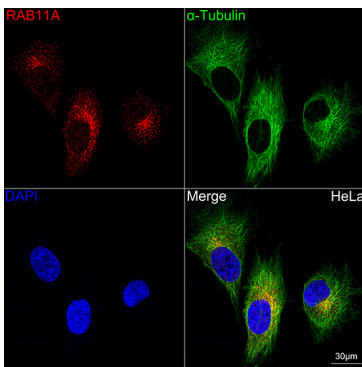
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

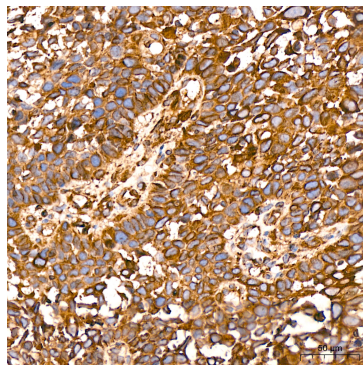
Validation Data



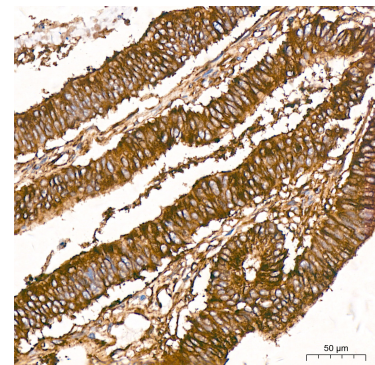
Western blot analysis of lysates from HeLa cells, using α -Tubulin Rabbit mAb (AC049) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 0.5s.



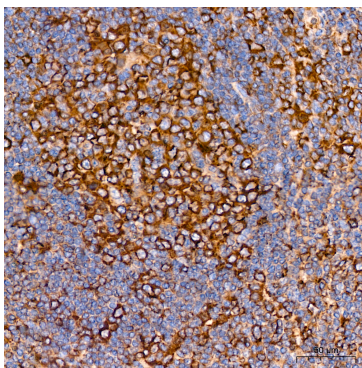
Confocal imaging of HeLa cells using α -Tubulin Rabbit mAb (AC049, dilution 1:100)(Green). The cells were counterstained with RAB11A Rabbit mAb (A3251, dilution 1:100) (Red). DAPI was used for nuclear staining (blue). Objective: 60x.



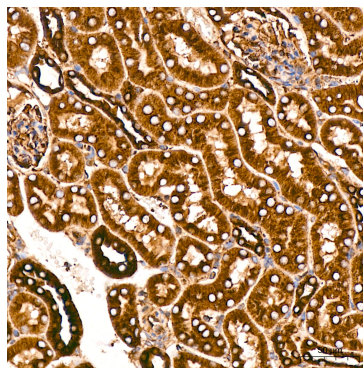
Immunohistochemistry analysis of α -Tubulin in paraffin-embedded human cervix cancer tissue using α -Tubulin Rabbit mAb (AC049) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



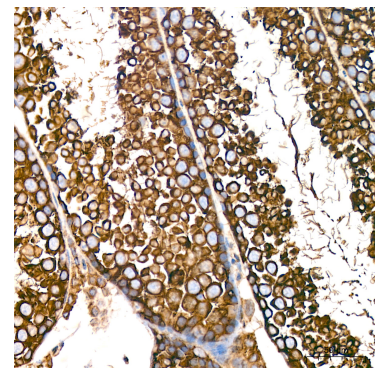
Immunohistochemistry analysis of α -Tubulin in paraffin-embedded human colon carcinoma tissue using α -Tubulin Rabbit mAb (AC049) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of α -Tubulin in paraffin-embedded human tonsil tissue using α -Tubulin Rabbit mAb (AC049) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

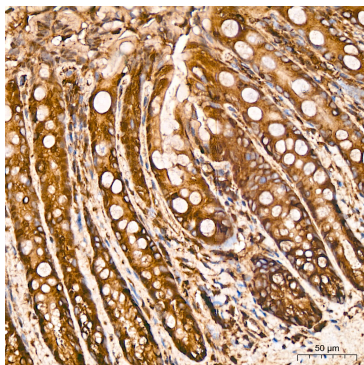


Immunohistochemistry analysis of α -Tubulin in paraffin-embedded mouse kidney tissue using α -Tubulin Rabbit mAb (AC049) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of α -Tubulin in paraffin-embedded mouse testis tissue using α -Tubulin Rabbit mAb (AC049) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of α -Tubulin in paraffin-embedded rat colon tissue using α -Tubulin Rabbit mAb (AC049) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.