

## **α-Tubulin Mouse mAb**

**CABC012**

### **Description**

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This α-Tubulin Mouse mAb is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### **Product Information**

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<b>SKU:</b>	CABC012
<b>Contents:</b>	20 μL, 100 μL Bradford Reagent: 1 vial (2ml)
<b>Category:</b>	Monoclonal Antibody
<b>Synonyms:</b>	ALS22, TUBA1, H2-ALPHA, α-Tubulin
<b>Clone:</b>	AMC0479
<b>Applications:</b>	<b>WB</b> <b>IHC-P</b> <b>IF/ICC</b> <b>ELISA</b>
<b>Conjugation:</b>	Unconjugated
<b>Reactivity:</b>	Human, Mouse, Rat

### **Antibody Data**

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<b>Gene ID:</b>	7277
<b>Uniprot:</b>	AB_2768341
<b>Host Species:</b>	Mouse
<b>Purification:</b>	Affinity purification
<b>Observed MW:</b>	55kDa
<b>Calculated MW:</b>	50kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 1% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

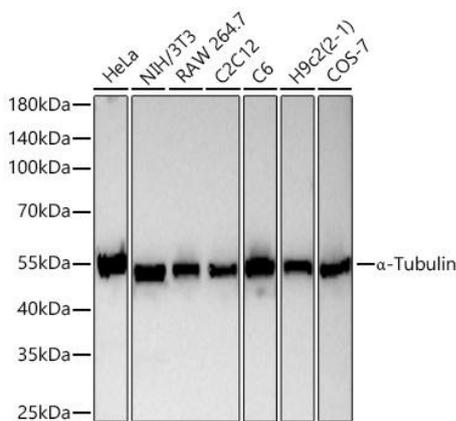
Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** HeLa, NIH/3T3, RAW 264.7, C2C12, C6, H9c2(2-1), COS-7

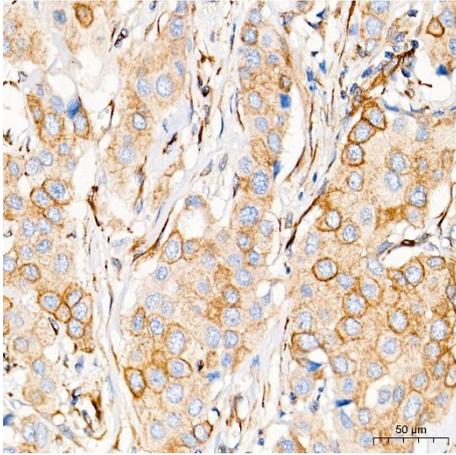
<b>Recommended Dilutions:</b>	<b>WB</b>	1:5000 - 1:20000
	<b>IHC-P</b>	1:500 - 1:2000
	<b>IF/ICC</b>	1:200 - 1:1000
	<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

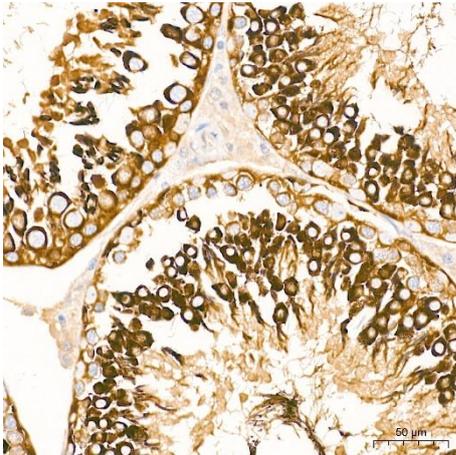
## Validation Data



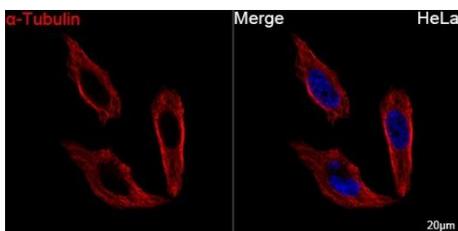
Western blot analysis of various lysates using  $\alpha$ -Tubulin Mouse mAb (CABC012) at 1:20000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (CABS003) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 45s.



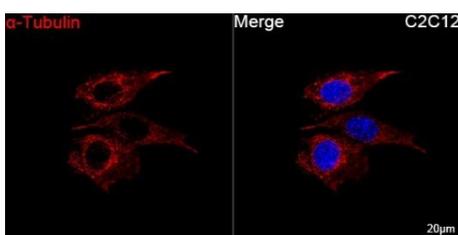
Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using  $\alpha$ -Tubulin Mouse mAb (CABC012) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



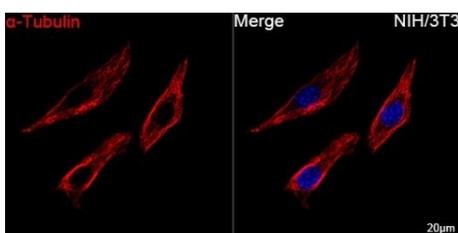
Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using  $\alpha$ -Tubulin Mouse mAb (CABC012) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of HeLa cells using  $\alpha$ -Tubulin Mouse mAb (CABC012, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of C2C12 cells using  $\alpha$ -Tubulin Mouse mAb (CABC012, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NIH/3T3 cells using  $\alpha$ -Tubulin Mouse mAb (CABC012, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.