

## beta-Actin Monoclonal Antibody (High Dilution)

CABC026

### Description

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This beta-Actin Monoclonal Antibody (High Dilution) 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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**SKU:** CABC026

**Contents:** 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

**Category:** Monoclonal Antibody

**Synonyms:** BRWS1, PS1TP5BP1,  $\beta$ -Actin

**Clone:** ARC5115-01

**Applications:** WB IHC-P IF/ICC ELISA

**Conjugation:** Unconjugated

**Reactivity:** Human, Mouse, Rat, Chicken, Zebrafish, Pig, Cow

### Antibody Data

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**Gene ID:** 60

**Uniprot:** AB\_2768234

**Host Species:** Rabbit

**Purification:** Affinity purification

**Observed MW:** 42kDa

**Calculated MW:** 42kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

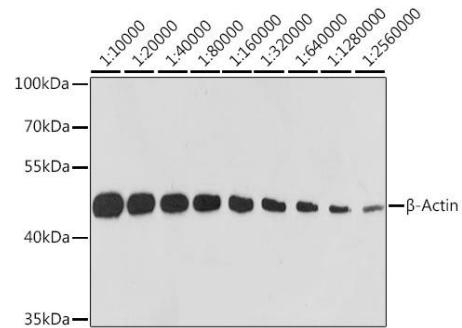
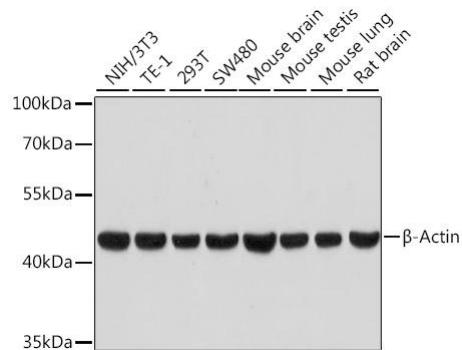
Store Bradford Reagent at Room Temperature for 1 Year.

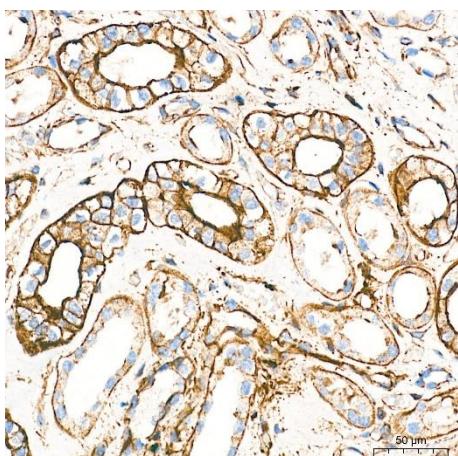
**Positive Sample:** TE-1, SW480, NIH/3T3, 293T, Mouse brain, Mouse testis, Mose lung, Rat brain

<b>Recommended Dilutions:</b>	WB	1:80000-1:640000
	IF/ICC	1:200-1:800
	IHC-P	1:10000 - 1:40000 ELISA

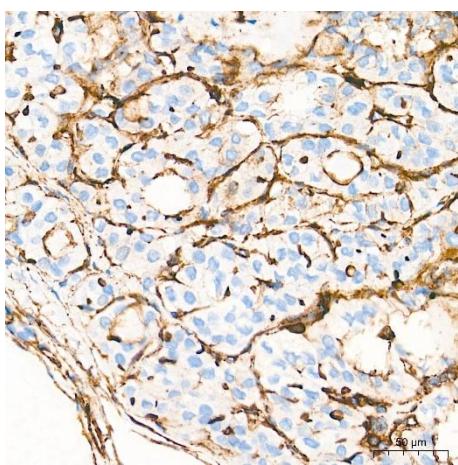
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data

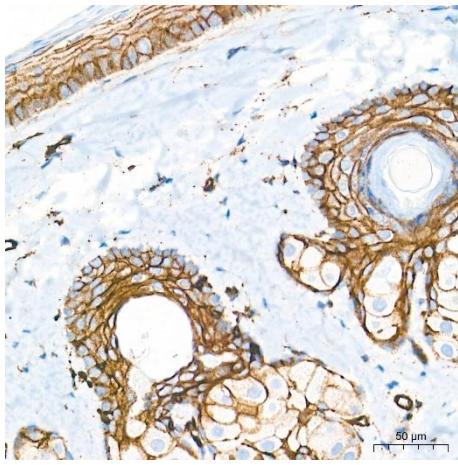




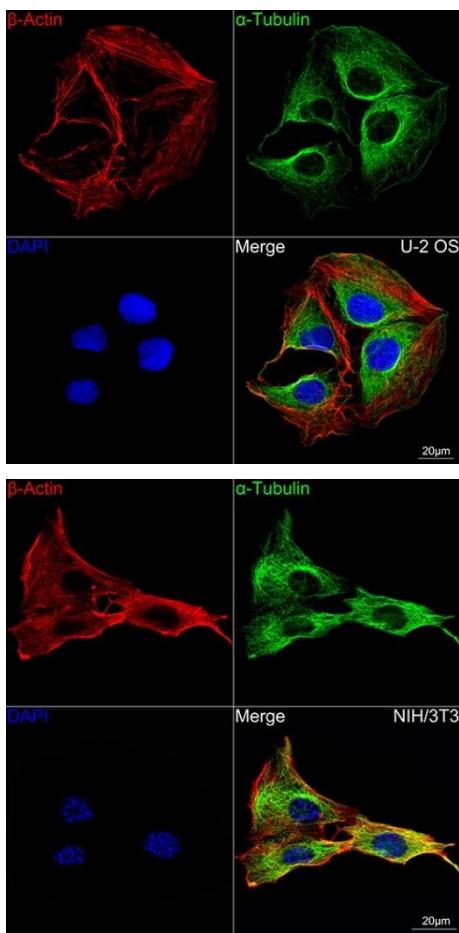
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using  $\beta$ -Actin Rabbit mAb (High Dilution) (CABC026) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using  $\beta$ -Actin Rabbit mAb (High Dilution) (CABC026) at a dilution of 1:10000 (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 skin tissue using  $\beta$ -Actin Rabbit mAb (High Dilution) (CABC026) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of U-2 OS cells using  $\beta$ -Actin Rabbit mAb (High Dilution) (CABC026, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (CABC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

Confocal imaging of NIH/3T3 cells using  $\beta$ -Actin Rabbit mAb (High Dilution) (CABC026, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (CABC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.