

## AMPK $\alpha$ 2 Antibody

**CAB14052**

### Description

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This AMPK $\alpha$ 2 Antibody 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>	CAB14052
<b>Contents:</b>	20 $\mu$ L, 100 $\mu$ L Bradford Reagent: 1 vial (2ml)
<b>Category:</b>	Polyclonal Antibody
<b>Synonyms:</b>	AMPK, AMPK2, PRKAA, AMPK $\alpha$ 2, AMPK $\alpha$ 2
<b>Clone:</b>	-
<b>Applications:</b>	<b>WB</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>	5563
<b>Uniprot:</b>	AB_2760907
<b>Host Species:</b>	Rabbit
<b>Purification:</b>	Affinity purification
<b>Observed MW:</b>	62kDa
<b>Calculated MW:</b>	62kDa

## Preparation & Storage

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

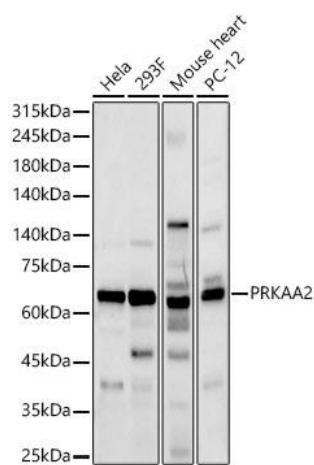
Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** HeLa, 293T, Mouse brain, Mouse heart, Rat skeletal muscle, Rat liver

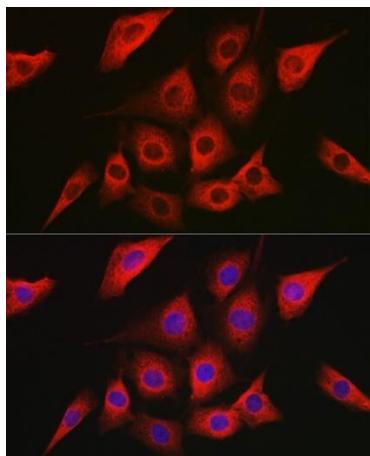
<b>Recommended Dilutions:</b>	<b>WB</b>	1:500 - 1:1000
	<b>IF/ICC</b>	1:50 - 1:200
	<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**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

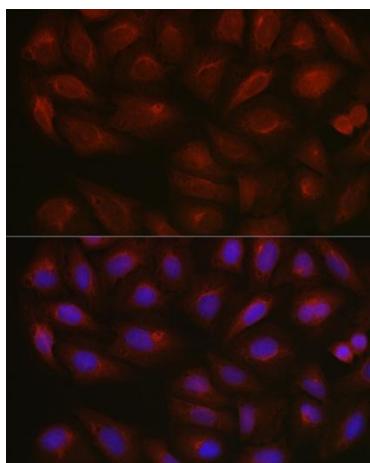
## Validation Data



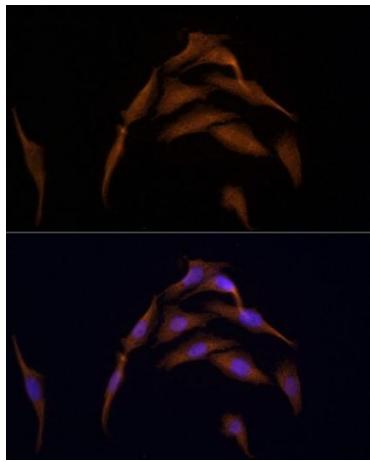
Western blot analysis of various lysates, using AMPK $\alpha$ 2 Rabbit pAb (CAB14052) at 1:900 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



Immunofluorescence analysis of NIH/3T3 cells using AMPK $\alpha$ 2 Rabbit pAb (CAB14052) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using AMPK $\alpha$ 2 Rabbit pAb (CAB14052) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using AMPK $\alpha$ 2 Rabbit pAb (CAB14052) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.