

Phospho-AMPK α 1-T183+AMPK α 2-T172 Monoclonal Antibody

CABP1441

Description

This Phospho-AMPK α 1-T183+AMPK α 2-T172 Monoclonal 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

SKU:	CABP1441
Contents:	20 μ L, 100 μ L Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	AMPK α 1/AMPK α 2, Phospho-AMPK α 1-T183+AMPK α 2-T172
Clone:	ARC62278
Applications:	WB ELISA
Conjugation:	-
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	5562 5563
Uniprot:	-
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	62kDa/
Calculated MW:	64kDa/65kDa/62kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

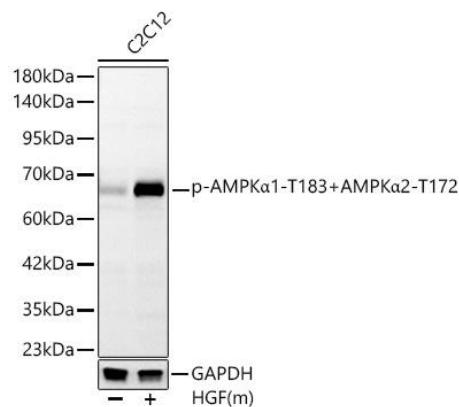
Positive Sample: C2C12 treated with mHGF, C6 treated with AICAR, 293T treated with CA

Recommended Dilutions:

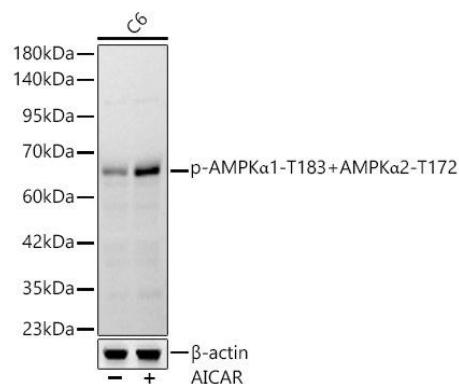
WB	1:1000 - 1:5000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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 lysates from C2C12 cells, using Phospho-AMPK α 1-+AMPK α 2- Rabbit mAb (CABP1441) at 1:1000 dilution. C2C12 cells were treated with mHGF(50ng/uL). Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



Western blot analysis of lysates from cells, using Phospho-AMPK α 1-+AMPK α 2- Rabbit mAb (CABP1441) at 1:1000 dilution. cells were treated with AICAR (0.5 mM) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.