

AP0116

Leader in Biomolecular Solutions for Life Science



Phospho-AMPK α 1-T183/AMPK α 2-T172 Rabbit pAb

Catalog No.: AP0116

35 Publications

Basic Information

Observed MW

64kDa/62kDa

Calculated MW

64kDa/65kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IP,ELISA

Cross-Reactivity

Human,Mouse,Rat

Background

Recommended Dilutions

WB 1:500 - 1:1000

IHC-P 1:50 - 1:100

IP 0.5 μ g-4 μ g antibody for
200 μ g-400 μ g extracts
of whole cells

ELISA Recommended starting
concentration is 1
 μ g/mL. Please optimize
the concentration
based on your specific
assay requirements.

Contact



www.abclonal.com

Immunogen Information

Gene ID

5562/5563

Swiss Prot

Q13131/P54646

Immunogen

A phospho specific peptide corresponding to residues surrounding T172 of human AMPK α

Synonyms

AMPK α 1/AMPK α 2; Phospho-AMPK α 1-T183/AMPK α 2-T172

Product Information

Source

Rabbit

Isotype

IgG

Purification

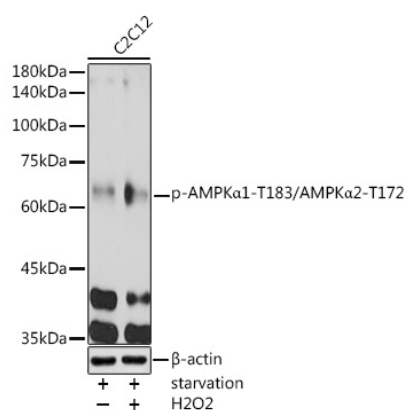
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



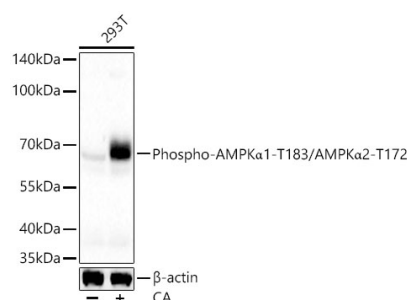
Western blot analysis of lysates from C2C12 cells, using Phospho-AMPKα1-T183/AMPKα2-T172 Rabbit pAb (AP0116) at 1:1000 dilution. C2C12 cells were treated by Hydrogen Peroxide (2 nM) at 37°C for 15 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Western blot analysis of lysates from 293T cells using Phospho-AMPKα1-T183/AMPKα2-T172 Rabbit pAb (AP0116) at 1:1000 dilution incubated overnight at 4°C. 293T cells were treated by Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight.

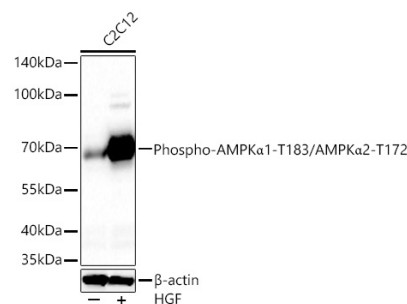
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Western blot analysis of lysates from C2C12 cells using Phospho-AMPKα1-T183/AMPKα2-T172 Rabbit pAb (AP0116) at 1:1000 dilution incubated overnight at 4°C. C2C12 cells were treated by HGF (50 ng/ml) at 37°C for 30 minutes after serum-starvation overnight.

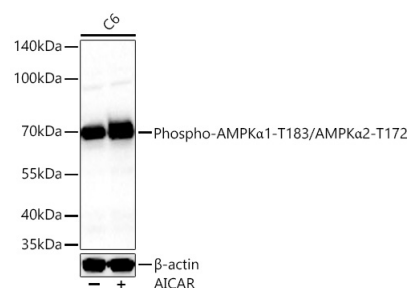
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Western blot analysis of lysates from C6 cells using Phospho-AMPKα1-T183/AMPKα2-T172 Rabbit pAb (AP0116) at 1:1000 dilution incubated overnight at 4°C. C6 cells were treated by AICAR (0.5 mM) at 37°C for 4 hours after serum-starvation overnight.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

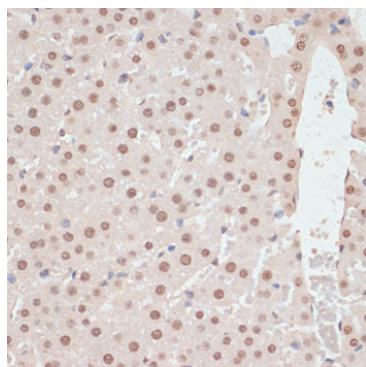
Lysates/proteins: 30 µg per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

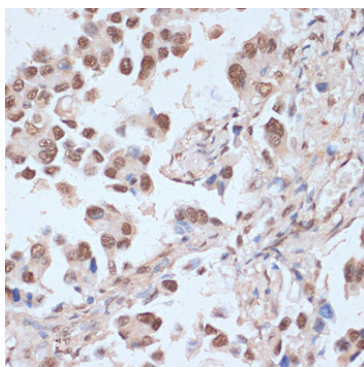
Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.

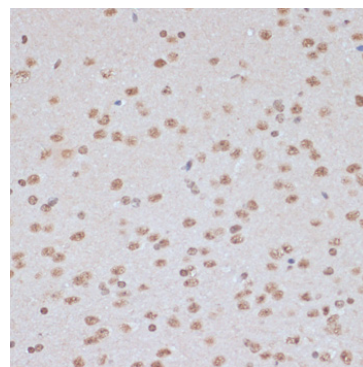
Validation Data



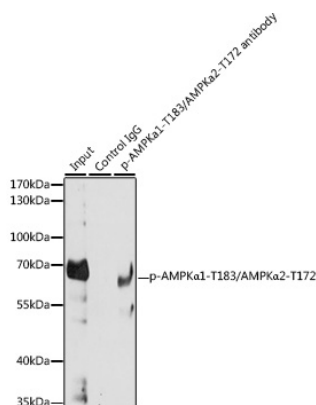
Immunohistochemistry analysis of paraffin-embedded Rat liver using Phospho-AMPKα1-T183/AMPKα2-T172 Rabbit pAb (AP0116) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Phospho-AMPKα1-T183/AMPKα2-T172 Rabbit pAb (AP0116) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using Phospho-AMPKα1-T183/AMPKα2-T172 Rabbit pAb (AP0116) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunoprecipitation analysis of 200 µg extracts of C2C12 cells, using 3 µg Phospho-AMPKα1-T183/AMPKα2-T172 pAb (AP0116). Western blot was performed from the immunoprecipitate using Phospho-AMPKα1-T183/AMPKα2-T172 pAb (AP0116) at a dilution of 1:1000. C2C12 cells were treated by oligomycin (0.5 uM) at 37°C for 30 minutes.