

# Phospho-AMPK $\alpha$ 1-T183/AMPK $\alpha$ 2-T172 Rabbit pAb

Catalog No.: AP0116

30 Publications

## Basic Information

### Observed MW

64kDa

### Calculated MW

64kDa/65kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IP

### Cross-Reactivity

Human, Mouse, Rat

## Background

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IHC-P** 1:50 - 1:100

**IP** 0.5 $\mu$ g-4 $\mu$ g antibody for  
200 $\mu$ g-400 $\mu$ g extracts of  
whole cells

## Immunogen Information

### Gene ID

5562/5563

### Swiss Prot

Q13131/P54646

### Immunogen

A phospho specific peptide corresponding to residues surrounding T172 of human AMPK $\alpha$

### Synonyms

AMPK $\alpha$ 1/AMPK $\alpha$ 2; Phospho-AMPK $\alpha$ 1-T183/AMPK $\alpha$ 2-T172

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

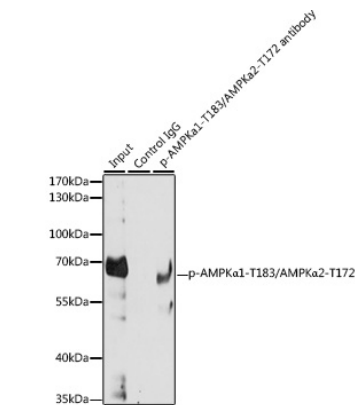
Affinity purification

### Storage

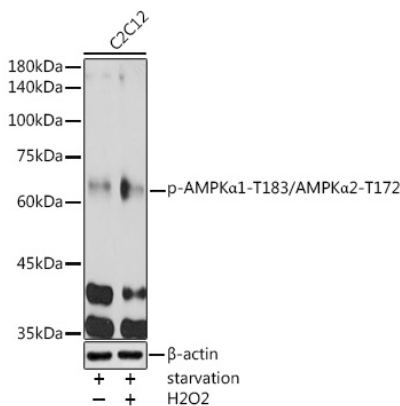
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

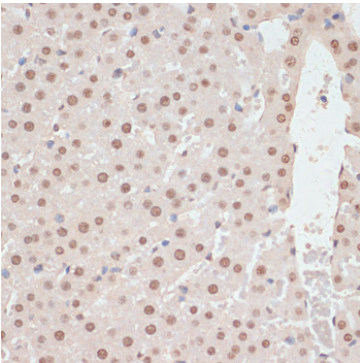
Validation Data



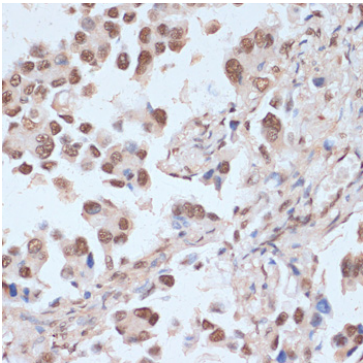
Immunoprecipitation analysis of 200 µg extracts of C2C12 cells, using 3 µg Phospho-AMPKα1-T183/AMPKα2-T172 pAb (AP0116). Western blot was performed from the immunoprecipitate using Phospho-AMPKα1-T183/AMPKα2-T172 pAb (AP0116) at a dilution of 1:1000. C2C12 cells were treated by oligomycin (0.5 uM) at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



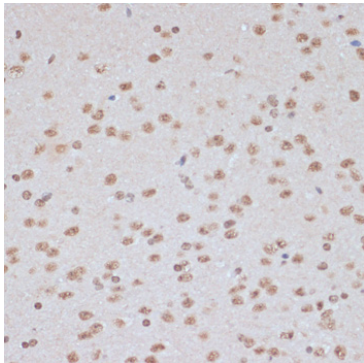
Western blot analysis of lysates from C2C12 cells, using Phospho-AMPKα1-T183/AMPKα2-T172 Rabbit pAb (AP0116) at 1:1000 dilution. C2C12 cells were treated by Hydrogen Peroxide (2 nM) at 37°C for 15 minutes after serum-starvation overnight.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.



Immunohistochemistry analysis of Phospho-AMPKα1-T183/AMPKα2-T172 in paraffin-embedded rat liver using Phospho-AMPKα1-T183/AMPKα2-T172 Rabbit pAb (AP0116) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Phospho-AMPKα1-T183/AMPKα2-T172 in paraffin-embedded human lung cancer using Phospho-AMPKα1-T183/AMPKα2-T172 Rabbit pAb (AP0116) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Phospho-AMPKα1-T183/AMPKα2-T172 in paraffin-embedded mouse brain using Phospho-AMPKα1-T183/AMPKα2-T172 Rabbit pAb (AP0116) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.