

# AMPK alpha 1/2 (Phospho-Thr183/Thr172) Rabbit mAb

Catalog No: #14179

Package Size: #14179-1 50ul #14179-2 100ul



Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

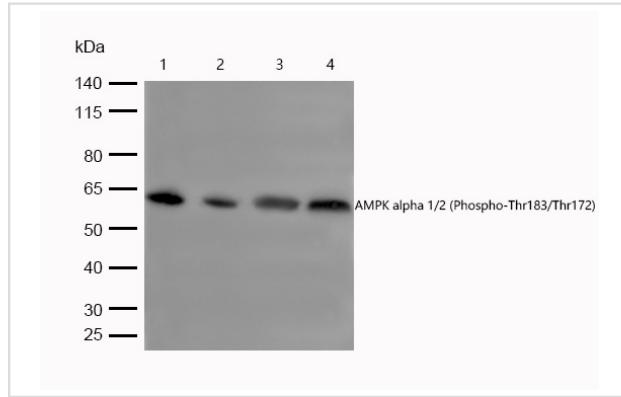
Product Name	AMPK alpha 1/2 (Phospho-Thr183/Thr172) Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB,IHC
Species Reactivity	Human;Mouse;Rat
Specificity	Phospho-AMPK alpha (T172) Antibody detects endogenous levels of Phospho-AMPK alpha (T172)
Immunogen Description	A synthesized peptide derived from human AMPK alpha
Conjugates	Unconjugated
Other Names	ACACA kinase; Acetyl-CoA carboxylase kinase; AMPK alpha 2 chain; AMPK subunit alpha-2; AMPK2; AMPKalpha2; HMGCR kinase; PRKAA; PRKAA2;
Accession No.	Uniprot:Q13131/P54646
Calculated MW	64,62 kDa
SDS-PAGE MW	62 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Application Details

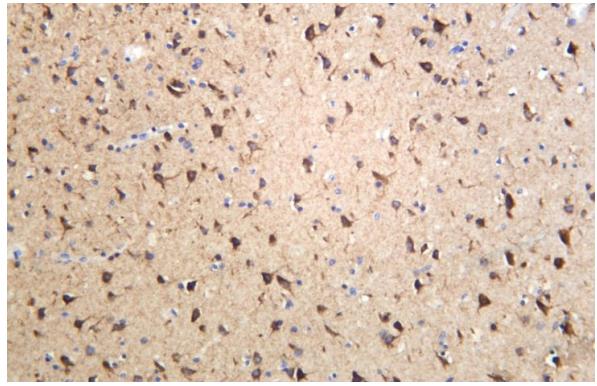
WB: 1:500-1:2000

IHC: 1:50-1:200

## Images



All lanes : AMPK alpha 1/2 (Phospho-Thr183/Thr172) Rabbit mAb at 1/1k dilution  
 Lane 1 :Mouse spleen lysate  
 Lane 2 : 293 cell lysate  
 Lane 3 : A735 cell lysate  
 Lane 4 : Mouse heart lysate  
 proteins at 20 µg per lane. Secondary  
 Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution  
 Predicted band size: 64,62 kDa Observed band size: 62 kDa  
 Exposure time: 14 seconds



Formalin-fixed;paraffin-embedded human brain tissue stained for AMPK alpha (Phospho-Thr172) using 14179 at 1/100 dilution in immunohistochemical analysis.

## Product Description

AMP-activated protein kinase (AMPK) is highly conserved from yeast to plants and animals and plays a key role in the regulation of energy homeostasis. AMPK is a heterotrimeric complex composed of a catalytic  $\alpha$  subunit and regulatory  $\beta$  and  $\gamma$  subunits, each of which is encoded by two or three distinct genes ( $\alpha 1, 2$ ;  $\beta 1, 2$ ;  $\gamma 1, 2, 3$ ).

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.