

**Product Name: Phospho-AMPK alpha 1/2
(Thr183/Thr172) Rabbit Polyclonal Antibody
Catalog #: APRab03381**

Summary

Production Name	Phospho-AMPK alpha 1/2 (Thr183/Thr172) Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IHC-F,IHC-P,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat,Monkey,Pig

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Chromatography

Immunogen

Gene Name	AAPK1/AAPK2
Alternative Names	PRKAA1; AMPK1; 5' -AMP-activated protein kinase catalytic subunit alpha-1; AMPK subunit alpha-1; Acetyl-CoA carboxylase kinase; ACACA kinase; Hydroxymethylglutaryl-CoA reductase kinase; HMGCR kinase; Tau-protein kinase PRKAA1; PRKAA2; AMPK
Gene ID	5562/5563
SwissProt ID	Q13131/P54646

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 ELISA: 1/10000
Molecular Weight	Calculated MW: 64 kDa; Observed MW: 64 kDa

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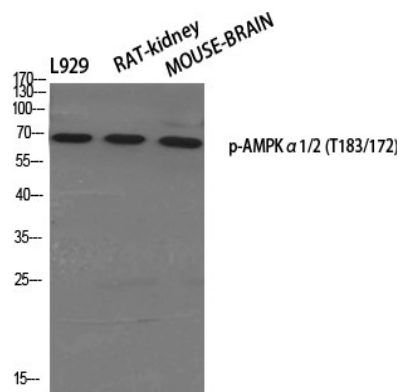
Background

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 α subunit and regulatory β and γ subunits, each of which is encoded by two or three distinct genes (α 1, 2; β 1, 2; γ 1, 2, 3).

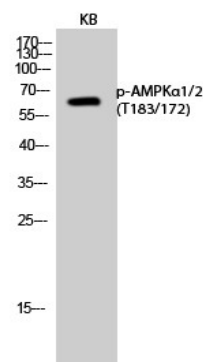
Research Area

Signal Transduction

Image Data

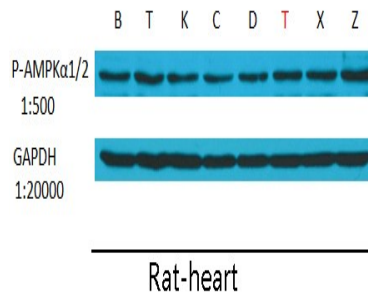


Western blot analysis of Phospho-AMPK alpha 1/2 (Thr183/Thr172) in various lysates using Phospho-AMPK alpha 1/2 (Thr183/Thr172) antibody.

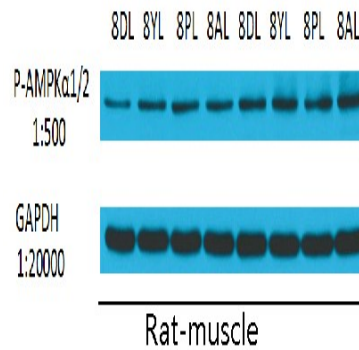


Western blot analysis of Phospho-AMPK alpha 1/2 (Thr183/Thr172) in KB lysates using Phospho-AMPK α 1/2 (T183/17, 2) antibody.

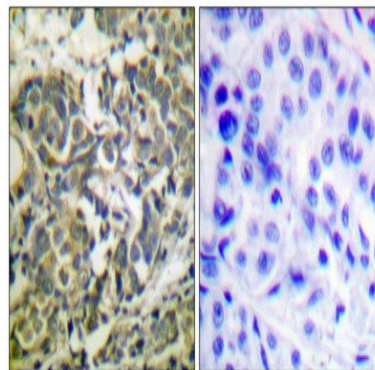
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Western blot analysis of Phospho-AMPK alpha 1/2 in rat muscle heart using Phospho-AMPK alpha 1/2 antibody.

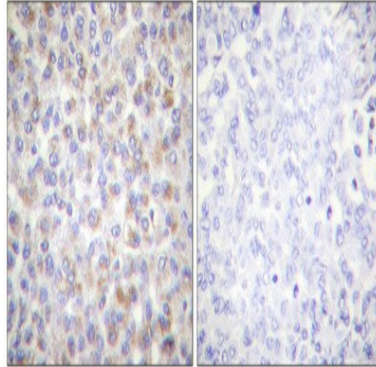


Western blot analysis of Phospho-AMPK alpha 1/2 in rat muscle lysates using Phospho-AMPK alpha 1/2 antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Phospho-AMPK alpha 1/2 (Thr183/Thr172) antibody. High-pressure and temperature Tris-EDTA pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody, was preabsorbed by immunogen peptide.

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Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Phospho-AMPK alpha 1/2 (Thr183/Thr172) antibody. High-pressure and temperature Tris-EDTA pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was preabsorbed by immunogen peptide.

Note

For research use only.