

Anti-Phospho-AMPK alpha 1/2 (Thr183/Thr172) Rabbit pAb

Purified Rabbit Polyclonal Antibody

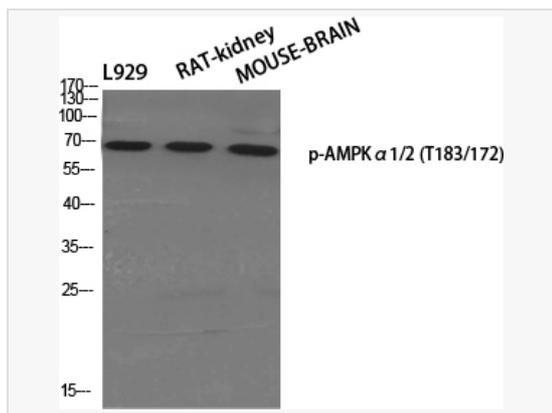
Catalog # P012833

Product Information

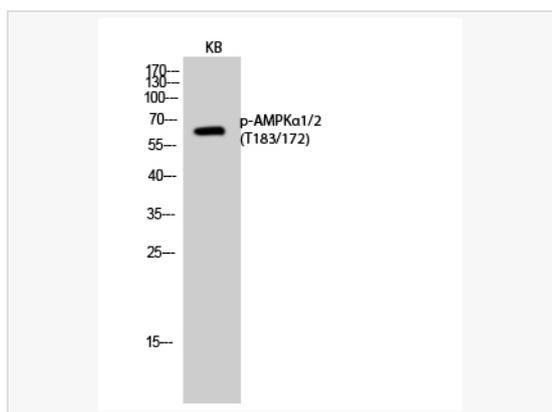
Application	ICC/IF (Cell), WB, IHC-F/IF (Tissue-F), IHC-P/IF (Tissue-P), ELISA
Reactivity	Pig, Mouse, Rat, Monkey, Human
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200; ELISA 1:10,000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	The antiserum was produced against synthesized peptide derived from human AMPK alpha around the phosphorylation site of Thr172.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Chromatography
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-AMPK alpha 1/2 (Thr183/Thr172) antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

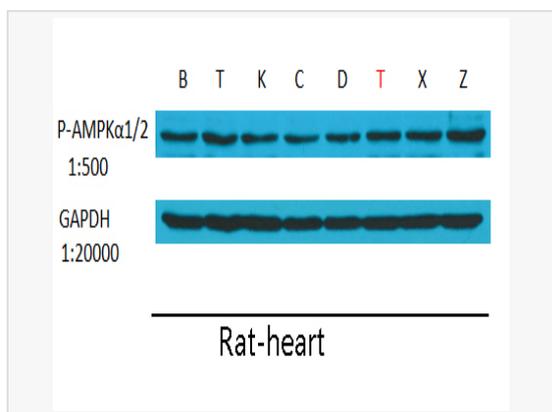
Synonyms	PRKAA1, AMPK1, 5' -AMP-activated protein kinase catalytic subunit alpha-1, AMPK subunit alpha-1, Acetyl-CoA carboxylase kinase, ACACA kinase, Hydroxymethylglutaryl-CoA reductase kinase, HMGCR kinase, Tau-protein kinase PRKAA1, PRKAA2, AMPK.
Calculated MW	Calculated MW: 64 kDa; Observed MW: 64 kDa
Uniprot ID	Q13131, P54646
Gene ID	5562/5563
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 ($\alpha 1, 2$; $\beta 1, 2$; $\gamma 1, 2, 3$).



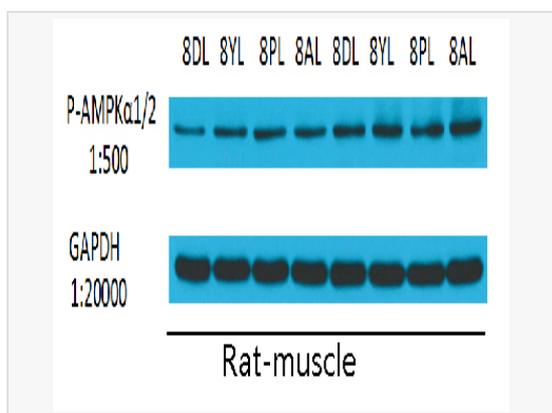
Western blot analysis of Phospho-AMPK alpha 1/2 (Thr183/Thr172) in various lysates using Phospho-AMPK alpha 1/2 (Thr183/Thr172) antibody.



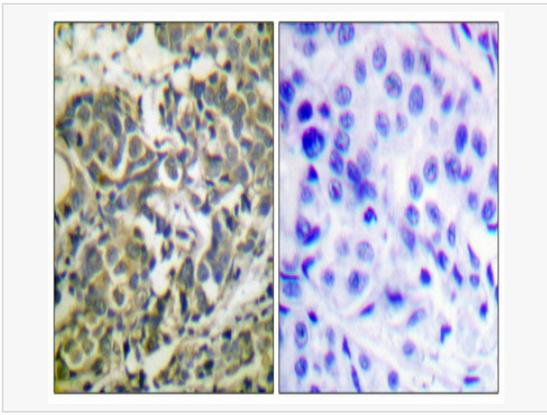
Western blot analysis of Phospho-AMPK alpha 1/2 (Thr183/Thr172) in KB lysates using Phospho-AMPK α 1/2 (T183/17, 2) antibody.



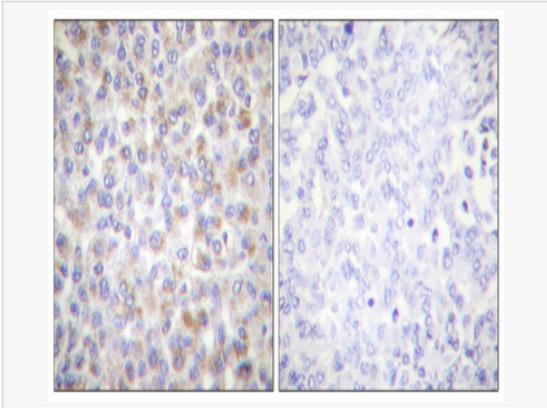
Western blot analysis of Phospho-AMPK alpha 1/2 in rat muscle heart using Phospho-AMPK alpha 1/2 antibody.



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.



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.