

Product Datasheet

Anti-P-AMPK α 1/2(T183/T172) Rabbit pAb



WL05103

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-P-AMPK α 1/2(T183/T172) Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	Western blot	1:500-1:1000
	Immunohistochemistry	1:100-1:400
	Immunofluorescence	1:100-1:400
Molecular Wt.	63 kDa	
Cellular localization	Cytoplasm. Nucleus.	
Pack size	50/100/200/500/1000 μ l	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background	AMPK protects cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. AMPK is activated by high AMP and low ATP via a mechanism involving allosteric regulation, promotion of phosphorylation by an upstream protein kinase known as AMPK kinase, and inhibition of dephosphorylation. 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.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of P-AMPK α 1/2(T183/T172).
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

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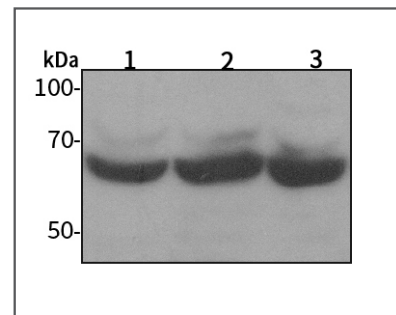
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Product Images



Western blot-Anti-P-AMPK α 1/2(T183/T172) pAb

Lane 1: Human HEK-293 cell lysate 20 μ g

Lane 2: Human HUVEC cell lysate 20 μ g

Lane 3: Human SW480 cell lysate 20 μ g

Separation gel: 8% polyacrylamide

Electrophoresis: 100V, 4°C, 3h

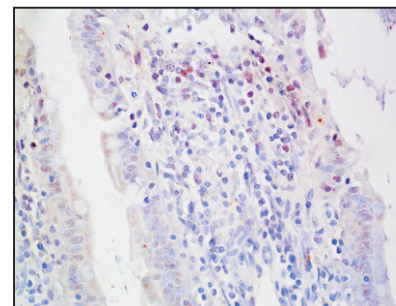
Transmembrane: 100V, 4°C, 1h

Blocking: 5% w/v nonfat dry milk, 1 $\times$ TBST, at RT with gentle shaking

Primary antibody: 1:1000 in blocking buffer, 4°C, overnight

Secondary antibody (WLA023a) : 1:5000-1:10000, 45min

Detection: ECL, 30s-2min



Immunohistochemistry-Anti-P-AMPK α 1/2(T183/T172) pAb

Sample: Rat colon tissue

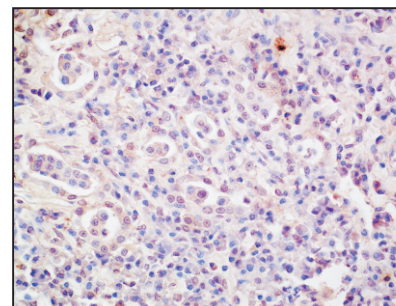
Antigen retrieval: pH 9.0 Tris-EDTA buffer

Primary antibody: 1:200, 4°C, overnight

Secondary antibody-Biotin: 1:150, 37°C, 1h

Streptavidin-HRP: 1:200, 37°C, 30min

Visualization: DAB



Immunohistochemistry-Anti-P-AMPK α 1/2(T183/T172) pAb

Sample: Rat lung tissue

Antigen retrieval: pH 9.0 Tris-EDTA buffer

Primary antibody: 1:200, 4°C, overnight

Secondary antibody-Biotin: 1:150, 37°C, 1h

Streptavidin-HRP: 1:200, 37°C, 30min

Visualization: DAB

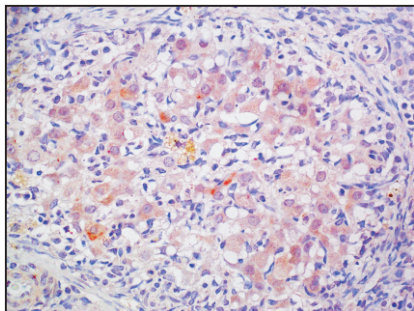
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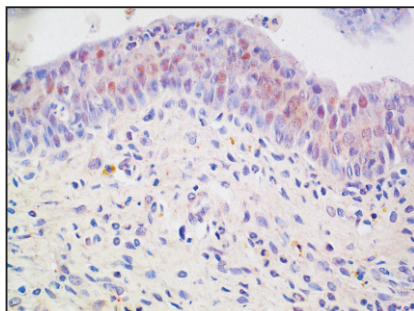
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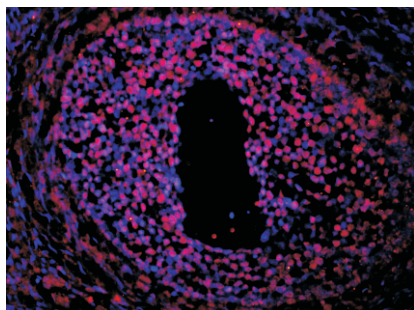
Immunohistochemistry-Anti-P-AMPK α 1/2(T183/T172) pAb

Sample: Rat ovary tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB



Immunohistochemistry-Anti-P-AMPK α 1/2(T183/T172) pAb

Sample: Rat uterus tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB



Immunofluorescence-Anti-P-AMPK α 1/2(T183/T172) pAb

Sample: Rat ovary tissue
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-CY3: 1:200, at room temperature, 1h