

Product Datasheet

Phospho-AMPK alpha 2 (Ser173) Rabbit Polyclonal Antibody (orb4413)

Description	Phospho-AMPK alpha 2 (Ser173) Rabbit Polyclonal Antibody
Species/Host	Rabbit
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Tested Applications	FC, IF, IHC-Fr, IHC-P, WB
Immunogen	KLH conjugated Synthesised phosphopeptide derived from human AMPK alpha 2 around the phosphorylation site of Ser173 RT(p-S)CG
Target	PRKAA2
Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Form/Appearance	Liquid
Concentration	1mg/ml
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Isotype	IgG
Clonality	Polyclonal
Antibody Type	Primary Antibody
MW	61 kDa
Uniprot ID	P54646

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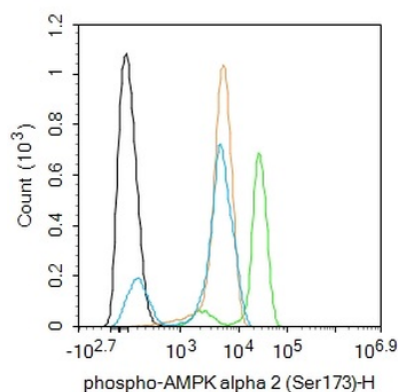
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Dilution Range

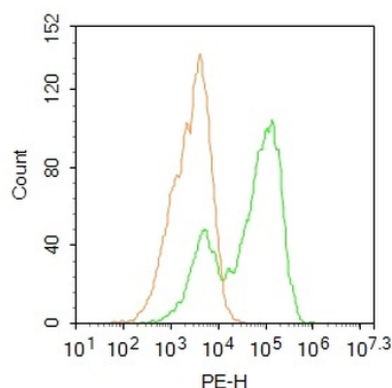
WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=2ug/Test

Expiration Date

12 months from date of receipt.



Blank control (black line): HeLa. Primary Antibody (green line): Rabbit Anti-phospho-AMPK alpha 2 (Ser173) antibody (orb4413), dilution: 2 ug/Test, Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF488, dilution: 0.5 ug/Test. Isotype control (orange line): Normal Rabbit IgG, Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



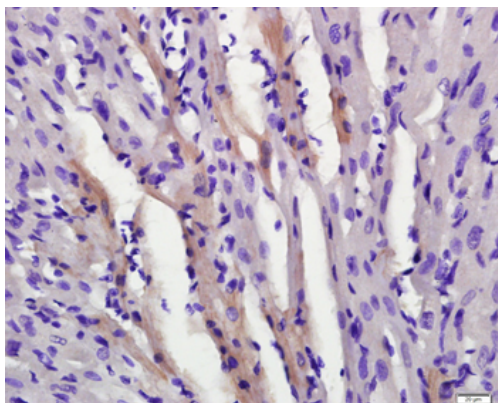
Blank control: HepG2. Primary Antibody (green line): Rabbit Anti-phospho-AMPK alpha 2 (Ser173) antibody (orb4413), dilution: 1 µg/10⁶ cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-PE, dilution: 1 µg/Test. Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.

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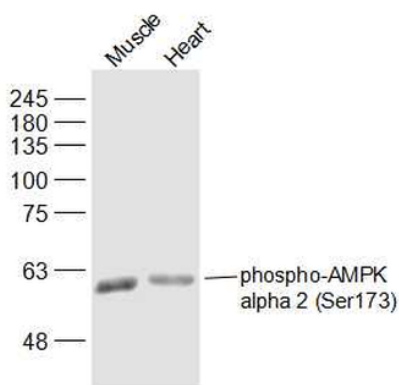
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Paraformaldehyde-fixed, paraffin embedded (rat heart tissue), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (p-AMPK alpha 2) Polyclonal Antibody, Unconjugated (orb4413) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.



Sample: Muscle (Mouse) Lysate at 40 ug, Heart (Mouse) Lysate at 40 ug, Primary: Anti-phospho-AMPK alpha 2 (Ser173) (orb4413) at 1/500 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 61 kD, Observed band size: 61 kD.

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