

Product Datasheet

PGC1 alpha + beta Rabbit Polyclonal Antibody (orb100963)

Catalog Number	orb100963
Category	Antibodies
Description	PGC1 alpha + beta Rabbit Polyclonal Antibody
Target	PPARGC1A
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Rat
Predicted Reactivity	Bovine, Canine, Equine, Mouse, Porcine, Rabbit
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	KLH conjugated synthetic peptide derived from human PGC1 alpha + beta (151-250/798aa)
UniProt ID	Q9UBK2

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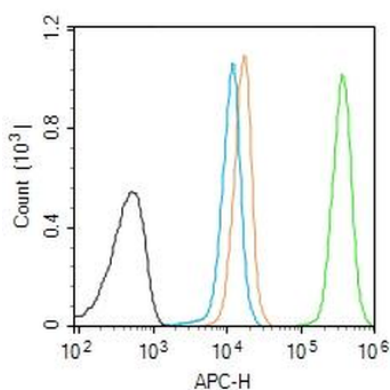
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MW	113 kDa
Tested applications	FC, IF, IHC-Fr, IHC-P, WB
Dilution range	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=1µg/Test
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Blank control (Black line): Molt4 (Black). Primary Antibody (green line): Rabbit Anti-PGC1 alpha+beta antibody (orb100963), Dilution: 1 µg/10⁶ cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647, 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 room temperature. 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.

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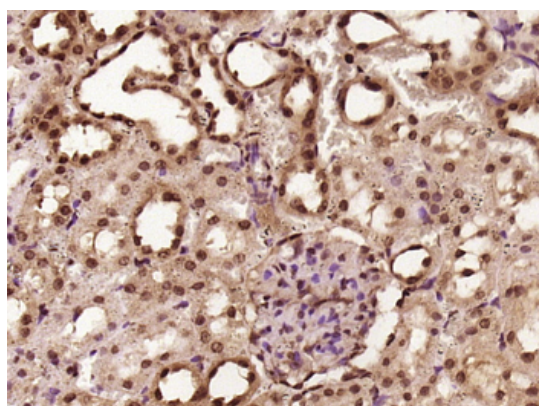
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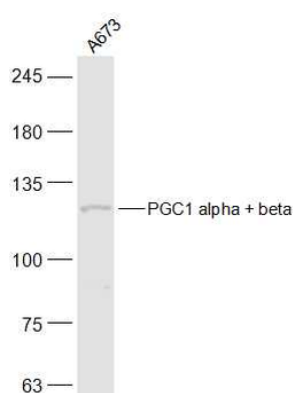
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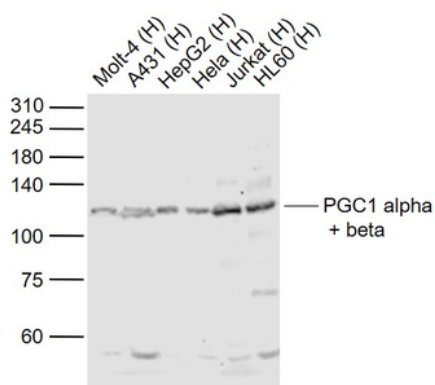
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Paraformaldehyde-fixed, paraffin embedded (rat kidney tissue), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (PGC1 alpha + beta) Polyclonal Antibody, Unconjugated (orb100963) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Sample: A673 (Human) Cell Lysate at 30 ug, Primary: Anti-PGC1 alpha + beta (orb100963) at 1/500 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 88/113 kD, Observed band size: 113 kD.



Sample: Lane 1: Molt-4 (Human) Cell Lysate at 30 ug, Lane 2: A431 (Human) Cell Lysate at 30 ug, Lane 3: HepG2 (Human) Cell Lysate at 30 ug, Lane 4: HeLa (Human) Cell Lysate at 30 ug, Lane 5: Jurkat (Human) Cell Lysate at 30 ug, Lane 6: HL60 (Human) Cell Lysate at 30 ug, Primary: Anti-PGC1 alpha + beta (orb100963) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 90/113 kD, Observed band size: 113 kD.

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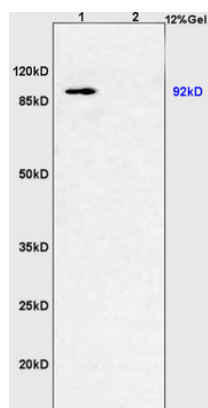
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Sample: Muscle (Pig) Lysate at 40 ug, Kidney (Mouse) Lysate at 40 ug, Primary: Anti-PGC1 alpha + beta at 1/300 dilution, Secondary: HRP conjugated Goat-Anti-rabbit IgG (orb572747) at 1/5000 dilution, Predicted band size: 88/113 kD, Observed band size: 92 kD.

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