

Product Datasheet

PPARGC1A Antibody (orb1239904)

Catalog Number	orb1239904
Category	Antibodies
Description	PPARGC1A Antibody
Target	PPARGC1A
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Predicted Reactivity	Bovine, Porcine
Form/Appearance	Liquid
Concentration	1 mg/mL
Buffer/Preservatives	PPARGC1A antibody is supplied in PBS containing 0.02% sodium azide.
Purification	PPARGC1A antibody is affinity chromatography purified via peptide column.
Immunogen	PPARGC1A antibody was raised against a 17 amino acid peptide near the amino terminus of human PPARGC1A. The immunogen is located within amino acids 200 - 250 of PPARGC1A.
UniProt ID	Q9UBK2
MW	Predicted: 91kD Observed: 100 kD

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7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

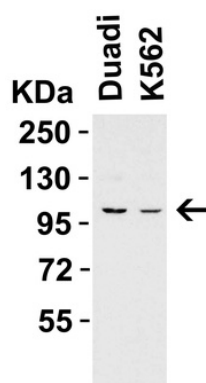
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Tested applications	ELISA, IF, IHC-P, WB
Application notes	WB: 2 µg/mL; IHC: 1-2 µg/mL; IF: 20 µg/mL. Antibody validated: Western Blot in human, mouse and rat samples; Immunohistochemistry in human, mouse and rat samples; Immunofluorescence in human samples. All other applications and species not yet tested.
Specificity	PPARGC1A antibody is human, mouse and rat reactive. At least three isoforms of PPARGC1A are known to exist; this antibody will detect all three isoforms.
Antibody Type	Primary Antibody
Modifications	None
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
NCBI	NP_037393
Expiration Date	12 months from date of receipt.



WB Validation in Human Cell Lines. Loading: 15 µg of human cell lysate Antibodies: PPARGC1A orb1239904, 2 µg/mL, 1 h incubation at RT in 5% NFDN/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.

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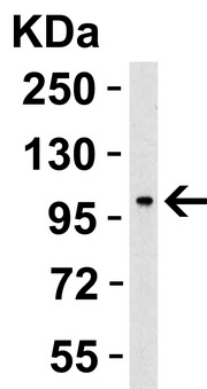
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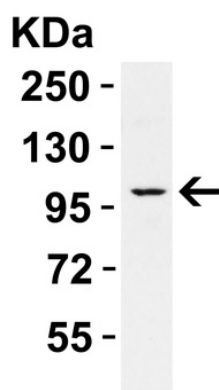
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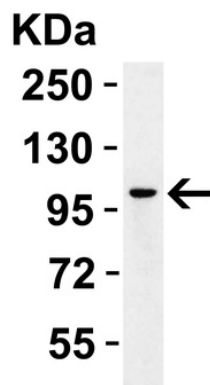
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WB Validation in Human Lung. Loading: 15 µg of human lung lysate Antibodies: PPARGC1A orb1239904, 2 µg/mL, 1 h incubation at RT in 5% NFDm/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



WB Validation in Mouse Skin. Loading: 15 µg of mouse skin lysate Antibodies: PPARGC1A orb1239904, 2 µg/mL, 1 h incubation at RT in 5% NFDm/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



WB Validation in Rat Kidney. Loading: 15 µg of rat kidney lysate Antibodies: PPARGC1A orb1239904, 2 µg/mL, 1 h incubation at RT in 5% NFDm/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.

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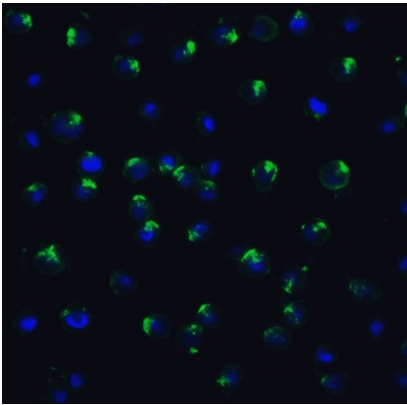
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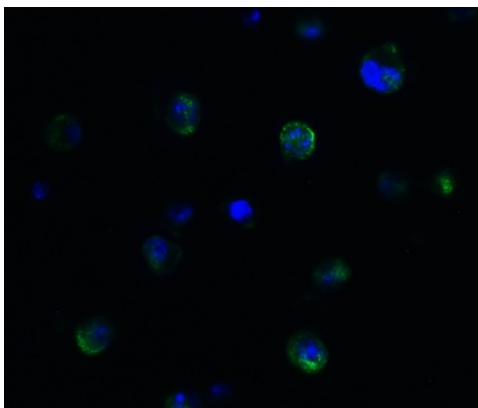
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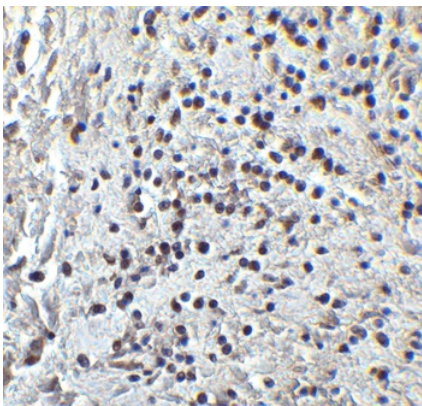
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Immunofluorescence Validation of PPARGC1A in MCF7 Cells. Immunofluorescent analysis of 4% paraformaldehyde-fixed MCF7 cells labeling PPARGC1A with orb1239904 at 20 µg/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



Immunofluorescence Validation of PPARGC1A in HELA Cells. Immunofluorescent analysis of 4% paraformaldehyde-fixed HeLa cells labeling PPARGC1A with orb1239904 at 20 µg/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



Immunohistochemistry Validation of PPARGC1A in Human Colon Carcinoma Tissue. Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using anti-PPARGC1A antibody (orb1239904) at 1 µg/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

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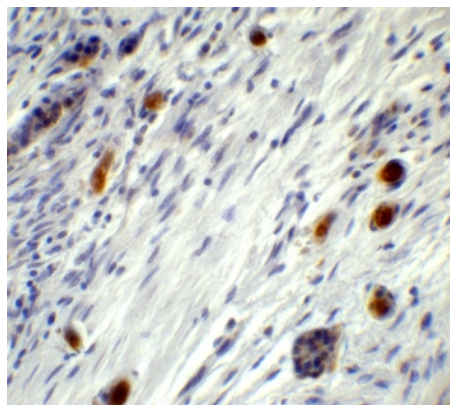
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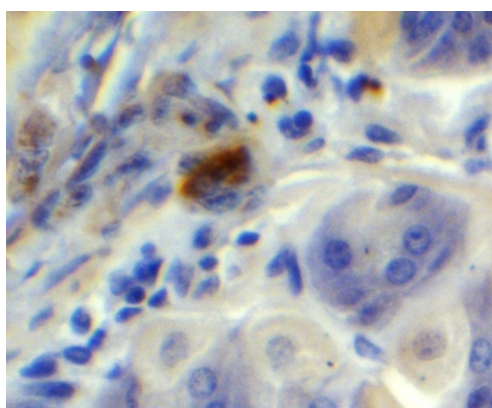
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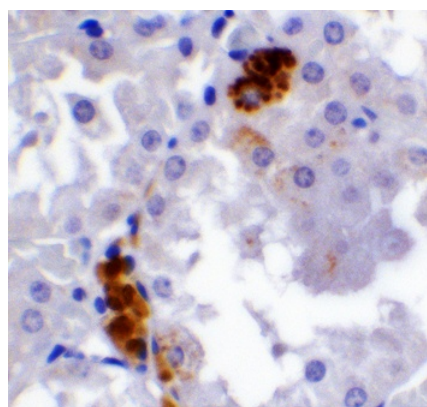
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Immunohistochemistry Validation of PPARGC1A in Human Pancreas Tissue. Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-PPARGC1A antibody (orb1239904) at 2 µg/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Immunohistochemistry Validation of PPARGC1A in Mouse Stomach Tissue. Immunohistochemical analysis of paraffin-embedded mouse stomach tissue using anti-PPARGC1A antibody (orb1239904) at 2 µg/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Immunohistochemistry Validation of PPARGC1A in Rat Kidney Tissue. Immunohistochemical analysis of paraffin-embedded rat kidney tissue using anti-PPARGC1A antibody (orb1239904) at 2 µg/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

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