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PPRC1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11011C

Product Information

Application	IHC-P, WB, E
Primary Accession	Q5VV67
Other Accession	Q6NZN1, NP_055877.3
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25731
Calculated MW	177544
Antigen Region	1636-1664

Additional Information

Gene ID	23082
Other Names	Peroxisome proliferator-activated receptor gamma coactivator-related protein 1, PGC-1-related coactivator, PRC, PPRC1, KIAA0595
Target/Specificity	This PPRC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1636-1664 amino acids from the C-terminal region of human PPRC1.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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.
Precautions	PPRC1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PPRC1
Synonyms	KIAA0595

Function	Acts as a coactivator during transcriptional activation of nuclear genes related to mitochondrial biogenesis and cell growth. Involved in the transcription coactivation of CREB and NRF1 target genes.
Cellular Location	Nucleus. Note=Colocalizes with NRF1.
Tissue Location	Strongly expressed in heart and skeletal muscle, moderately in lung, placenta, intestine, liver, kidney, spleen, thymus, colon and brain. Also expressed in several oncocytic thyroid tumors

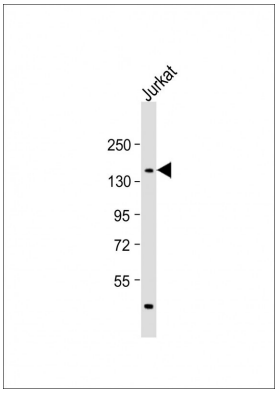
Background

The protein encoded by this gene is similar to PPAR-gamma coactivator 1 (PPARGC1/PGC-1), a protein that can activate mitochondrial biogenesis in part through a direct interaction with nuclear respiratory factor 1 (NRF1). This protein has been shown to interact with NRF1. It is thought to be a functional relative of PPARGC1 that activates mitochondrial biogenesis through NRF1 in response to proliferative signals.

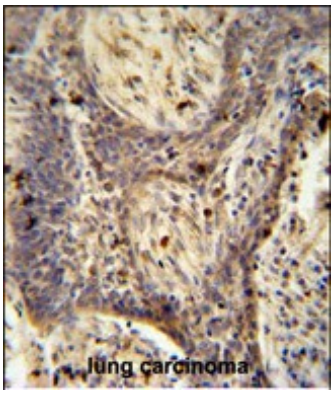
References

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Vercauteren, K., et al. J. Biol. Chem. 284(4):2307-2319(2009)
Raharijaona, M., et al. PLoS ONE 4 (11), E7964 (2009) :
Lu, Y., et al. J. Lipid Res. 49(12):2582-2589(2008)
Vercauteren, K., et al. J. Biol. Chem. 283(18):12102-12111(2008)

Images



Anti-PPRC1 Antibody (C-term) at 1:1000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 178 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



PPRC1 antibody (C-term) (Cat. #AP11011c) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PPRC1 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.