

**PPRC1 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11011c**

**Specification**

---

**PPRC1 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [Q5VV67](#)

**PPRC1 Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 23082

**Other Names**

Peroxisome proliferator-activated receptor gamma coactivator-related protein 1, PGC-1-related coactivator, PRC, PPRC1, KIAA0595

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PPRC1 Antibody (C-term) Blocking peptide - 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 oncocyctic thyroid tumors

**PPRC1 Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **PPRC1 Antibody (C-term) Blocking peptide - Images**

#### **PPRC1 Antibody (C-term) Blocking peptide - Background**

The protein encoded by this gene is similar to PPAR-gammacoactivator 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.

#### **PPRC1 Antibody (C-term) Blocking peptide - References**

Reiling, E., et al. Eur. J. Hum. Genet. 17(8):1056-1062(2009) 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)