

## PRC Polyclonal Antibody

<b>Catalog No :</b>	YT3851
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	PRC
<b>Gene Name :</b>	PPRC1
<b>Protein Name :</b>	Peroxisome proliferator-activated receptor gamma coactivator-related protein 1
<b>Human Gene Id :</b>	23082
<b>Human Swiss Prot No :</b>	Q5VV67
<b>Mouse Gene Id :</b>	226169
<b>Mouse Swiss Prot No :</b>	Q6NZN1
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human PPRC1. AA range:1609-1658
<b>Specificity :</b>	PRC Polyclonal Antibody detects endogenous levels of PRC protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Molecularweight :** 178kD

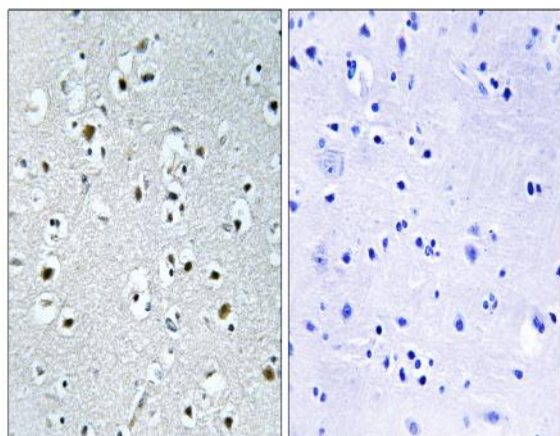
**Background :** The protein encoded by this gene is similar to PPAR-gamma coactivator 1 (PPARGC1/PGC-1), a protein that can activate mitochondrial biogenesis in part through a direct interaction with nuclear respiratory factor 1 (NRF1). This protein has been shown to interact with NRF1. It is thought to be a functional relative of PPAR-gamma coactivator 1 that activates mitochondrial biogenesis through NRF1 in response to proliferative signals. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013],

**Function :** 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.,induction:Up-regulated by serum (at protein level)~,similarity:Contains 1 RRM (RNA recognition motif) domain~,subcellular location:Colocalizes with NRF1~,subunit:Interacts with CREB1 and NRF1~,tissue specificity: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.,

**Subcellular Location :** Nucleus . Colocalizes with NRF1. .

**Expression :** 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.

## Products Images



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using PPRC1 Antibody. The picture on the right is blocked with the synthesized peptide.