

Product datasheet for **AP05659PU-N**

PPAR alpha (PPARA) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1:8000 - 1:32000. Western Blot: 1:500 - 1:1000; detects a band of approximately 52kDa in 3T3 whole cell lysate.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to amino acids 1-18 of human PPAR alpha.
Specificity:	This antibody detects an epitope within the N-terminal region of human peroxisome proliferator-activated receptor, alpha (PPARA).
Formulation:	Phosphate buffered saline pH7.2 containing 0.09% Sodium Azide (NaN ₃) State: Purified State: Liquid purified IgG
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	peroxisome proliferator activated receptor alpha
Database Link:	Entrez Gene 5465 Human Q07869



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Background:

PPARA is a member of the nuclear hormone receptor subfamily. Upon activation, PPARA forms heterodimers with retinoid X receptors (RXRs), and functions to regulate transcription of specific gene sequences. In particular, PPARA controls genes involved in the peroxisomal and mitochondrial beta oxidation pathways, fatty acid uptake, and triglyceride catabolism in the liver and skeletal muscle.

PPARA also has anti-inflammatory and anti-proliferative effects and prevents the proatherogenic effects of cholesterol accumulation in macrophages by stimulating cholesterol efflux. PPARA is the main target of fibrate drugs; hypolipidemic agents used in the treatment of dyslipidemia and the prevention of cardiovascular disease. They could also be used for the treatment of type II diabetes.

Synonyms:

NR1C1, PPAR, PPARA