

## Product datasheet for **AP53407PU-N**

### PPAR alpha (PPARA) (Center) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500. <b>Flow Cytometry:</b> 1/10-1/50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 152-181 amino acids from the Central region of Human PPAR-alpha
Specificity:	This antibody recognizes Human and Mouse PPAR-alpha (Center).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store 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:	<a href="#">Entrez Gene 19013 Mouse</a> <a href="#">Entrez Gene 5465 Human</a> <a href="#">Q07869</a>



[View online »](#)

**Background:**

Peroxisome proliferators include hypolipidemic drugs, herbicides, leukotriene antagonists, and plasticizers; this term arises because they induce an increase in the size and number of peroxisomes. Peroxisomes are subcellular organelles found in plants and animals that contain enzymes for respiration and for cholesterol and lipid metabolism. The action of peroxisome proliferators is thought to be mediated via specific receptors, called PPARs, which belong to the steroid hormone receptor superfamily. PPARs affect the expression of target genes involved in cell proliferation, cell differentiation and in immune and inflammation responses. Three closely related subtypes (alpha, beta/delta, and gamma) have been identified. This gene encodes the subtype PPAR-alpha, which is a nuclear transcription factor. Multiple alternatively spliced transcript variants have been described for this gene, although the full-length nature of only two has been determined.

**Synonyms:**

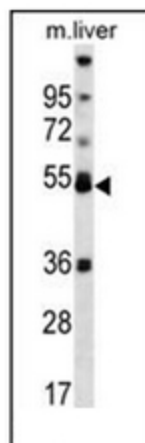
NR1C1, PPAR, PPARA

**Note:****Molecular Weight:** 52225 Da**Protein Families:**

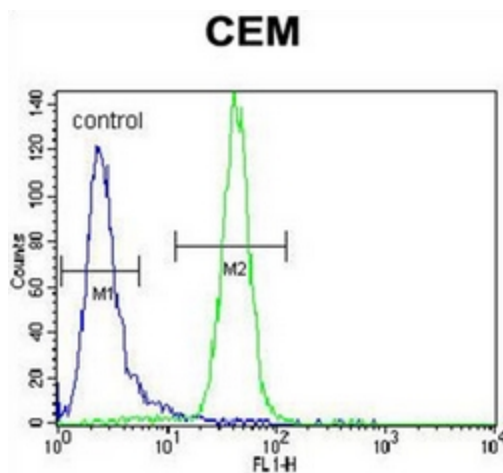
Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

**Protein Pathways:**

Adipocytokine signaling pathway, PPAR signaling pathway

**Product images:**

Western blot analysis of PPAR-alpha Antibody (Center) in mouse liver tissue lysates (35ug/lane). This demonstrates the PPARA antibody detected the PPARA protein (arrow).



Flow cytometric analysis of CEM cells using PPAR-alpha Antibody (Center) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.