

## Product datasheet for **TA380191**

### PPAR alpha (PPARA) Rabbit Polyclonal Antibody

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Applications:           | WB   |
| Recommended Dilution:   | WB,1:500 - 1:2000  |
| Reactivity:             | Human, Mouse, Rat  |
| Host:                   | Rabbit   |
| Isotype:                | IgG  |
| Clonality:              | Polyclonal   |
| Immunogen:              | Recombinant protein of human PPAR $\alpha$ .                     |
| Formulation:            | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.          |
| Concentration:          | lot specific   |
| Purification:           | Affinity purification  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C. Avoid freeze / thaw cycles.                      |
| Stability:              | Shelf life: one year from despatch.                              |
| Predicted Protein Size: | 52kDa  |
| Gene Name:              | peroxisome proliferator activated receptor alpha                 |
| Database Link:          | <a href="#">Entrez Gene 5465 Human</a><br><a href="#">Q07869</a> |



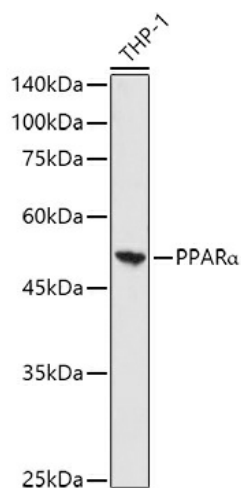
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**Background:**

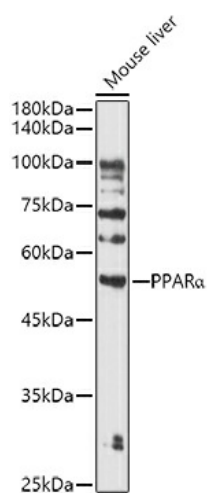
Peroxisome proliferators include hypolipidemic drugs, herbicides, leukotriene antagonists, and plasticizers; this term arises because they induce an increase in the size and number of peroxisomes. Peroxisomes are subcellular organelles found in plants and animals that contain enzymes for respiration 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:**

hPPAR; MGC2237; MGC2452; NR1C1; OTTHUMP00000197740; OTTHUMP00000197741; PPAR; PPAR-alpha; PPARalpha

**Product images:**

Western blot analysis of extracts of THP-1 cells, using PPAR $\alpha$  antibody (TA380191) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 180s.



Western blot analysis of extracts of Mouse liver, using PPAR $\alpha$  antibody (TA380191) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 30s.