

# [KO Validated] PPARD Rabbit Polyclonal Antibody

## CAB18077



### Product Information

**Size:**

20uL, 50uL, 100uL, 200uL

**Observed MW:**

54kDa

**Calculated MW:**

38kDa/40kDa/45kDa/49kDa

**Applications:**

WB IF

**Reactivity:**

Human, Mouse

### Antibody Information

**Recommended dilutions:**

WB 1:500 - 1:2000 IF 1:50 - 1:200

**Source:**

Rabbit

**Isotype:**

IgG

**Purification:**

Affinity purification

### Protein Background

This gene encodes a member of the peroxisome proliferator-activated receptor (PPAR) family. PPARs are nuclear hormone receptors that bind peroxisome proliferators and control the size and number of peroxisomes produced by cells. PPARs mediate a variety of biological processes, and may be involved in the development of several chronic diseases, including diabetes, obesity, atherosclerosis, and cancer. This protein is a potent inhibitor of ligand-induced transcription activity of PPAR alpha and PPAR gamma. It may function as an integrator of transcription repression and nuclear receptor signaling. The expression of this gene is found to be elevated in colorectal cancer cells. The elevated expression can be repressed by adenomatosis polyposis coli (APC), a tumor suppressor protein related to APC/beta-catenin signaling pathway. Knockout studies in mice suggested the role of this protein in myelination of the corpus callosum, lipid metabolism, and epidermal cell proliferation. Alternate splicing results in multiple transcript variants.

### Immunogen information

**Gene ID:**

5467

**Uniprot**

Q03181

**Synonyms:**

PPARD; FAAR; NR1C2; NUC1; NUCI; NUCII; PPARB

**Immunogen:**

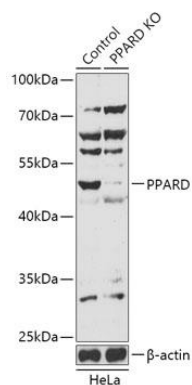
Recombinant fusion protein containing a sequence corresponding to amino acids 102-361 of human PPARD (NP\_803184.1).

**Storage:**

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts from normal (control) and PPARD knockout (KO) HeLa cells, using PPARD antibody (CAB18077) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.