

Datasheet for ABIN7261604

**anti-PPARD antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	200 µL
Target:	PPARD
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPARD antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant fusion protein of human PPARD (NP_803184.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## Target Details

Target:	PPARD
Alternative Name:	PPARD ( <a href="#">PPARD Products</a> )
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

## Target Details

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.

Molecular Weight:	Observed_MW: 56 kDa Calculated_MW: 38 kDa/40 kDa/45 kDa/49 kDa
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Gene ID:	5467
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UniProt:	<a href="#">Q03181</a>
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Pathways:	<a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a> , <a href="#">Monocarboxylic Acid Catabolic Process</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Positive Regulation of fat Cell Differentiation</a>
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## Application Details

Application Notes:	WB 1:500-1:2000 IF 1:50-1:200
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Concentration:	1 mg/mL
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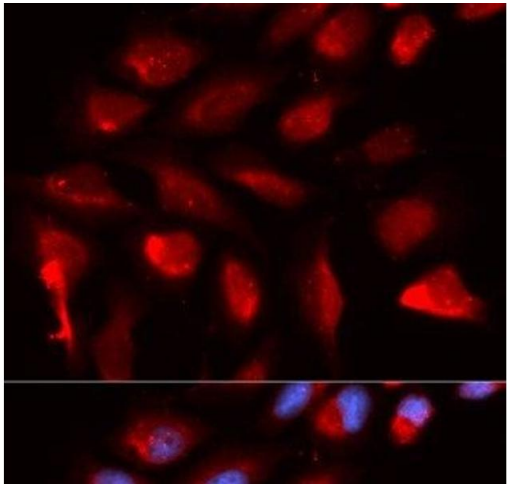
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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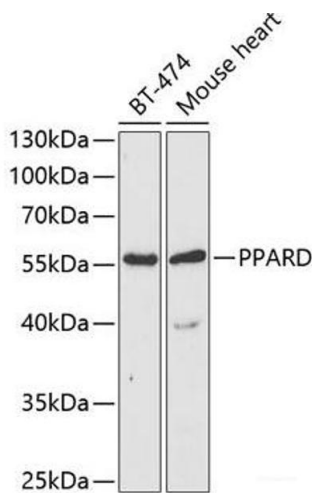
Storage:	-20 °C
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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Immunofluorescence

**Image 1.** Immunofluorescence analysis of U2OS cells using PPARD Polyclonal Antibody



Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines using PPARD Polyclonal Antibody at dilution of 1:1000.