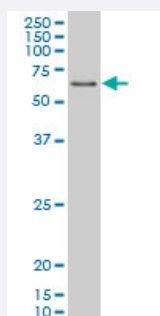


PPARD monoclonal antibody (M03), clone 1G4

Catalog # H00005467-M03

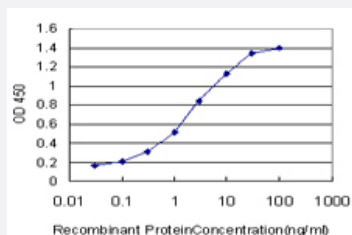
Size 100 ug

Applications



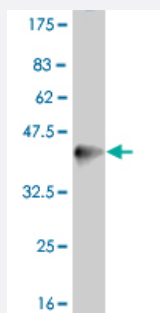
Western Blot (Cell lysate)

PPARD monoclonal antibody (M03), clone 1G4 Western Blot analysis of PPARD expression in K-562 (Cat # L009V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPARD is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PPARD.

Immunogen	PPARD (NP_006229, 56 a.a. ~ 165 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DQLQMGCDGASCGSLNMECRVCGDKASGFHYGVHACEGCKGFFRRTIRMKLEYEKCERSCKIQ KKNRNKCQYCRFQKCLALGMSHNIRFGRMPEAEKRKLVAGLTANEG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (95)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PPARD monoclonal antibody (M03), clone 1G4 Western Blot analysis of PPARD expression in K-562 (Cat # L009V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPARD is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PPARD

Entrez GeneID [5467](#)

GeneBank Accession#	NM_006238
Protein Accession#	NP_006229
Gene Name	PPARD
Gene Alias	FAAR, MGC3931, NR1C2, NUC1, NUCI, NUCII, PPAR-beta, PPARB
Gene Description	peroxisome proliferator-activated receptor delta
Omim ID	600409
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000016256 nuclear hormone receptor 1 peroxisome proliferative activated receptor, delta

Pathway

- [Acute myeloid leukemia](#)
- [Pathways in cancer](#)
- [PPAR signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Alzheimer disease](#)

- [Atherosclerosis](#)
- [Biliary Tract Neoplasms](#)
- [Bipolar Disorder](#)
- [Body Weight](#)
- [Calcinosis](#)
- [Carcinoma](#)
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- [Colon cancer](#)
- [Colonic Neoplasms](#)
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- [Diabetes Mellitus](#)
- [Disease Progression](#)
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- [Edema](#)
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- [Esophagitis](#)
- [Fatty Liver](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Growth Disorders](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemia](#)
- [Hyperlipidemias](#)

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- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Psychomotor Performance](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Schizophrenia](#)
- [Task Performance and Analysis](#)
- [Tobacco Use Disorder](#)