

PPARD Transcription Factor Assay Kit

Catalog # KA1359

Size 1 Kit

Applications

Positive Control

Positive Control

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Increasing amounts of positive control (total lysate) are assayed for PPARD DNA-binding activity.

Specification

Product Description	PPARD Transcription Factor Assay Kit is a non-radioactive, sensitive method for detecting PPARD transcription factor DNA binding activity in nuclear extracts.
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at -80°C temporarily. For best results, store the components as described in the protocol.
Note	Positive Control Positive Control Increasing amounts of positive control (total lysate) are assayed for PPARD DNA-binding activity.

Applications

- Functional Study

Gene Info — PPARD

Entrez GeneID

[5467](#)

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](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Fatty Liver](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Growth Disorders](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemia](#)
- [Hyperlipidemias](#)
- [Hypertrophy](#)
- [Inflammation](#)

- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [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](#)