PPARA Transcription Factor Assay Kit

Catalog # KA1356 Size 1 Kit

Applications

Positive Control

Positive Control

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

Specification

Product Description	PPARA Transcription Factor Assay Kit is a non-radioactive, sensitive method for detecting PPARA t ranscription factor DNA binding activity in nuclear extracts.
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at -80°C. 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 PPARA DNA-binding activity.

Applications

- Functional Study

Gene Info — PPARA

Entrez GeneID	5465
Gene Name	PPARA

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Alias	MGC2237, MGC2452, NR1C1, PPAR, hPPAR
Gene Description	peroxisome proliferator-activated receptor alpha
Omim ID	170998
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	OTTHUMP00000028713|OTTHUMP00000042872|peroxisome proliferative activated receptor, alpha|peroxisome proliferator activated receptor alpha

Pathway

- Adipocytokine signaling pathway
- PPAR signaling pathway

Disease

- Adenocarcinoma
- Alzheimer disease
- Arterial Occlusive Diseases
- Arteriosclerosis
- Atherosclerosis
- Body Weight
- Brain Ischemia
- Breast cancer

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Breast Neoplasms
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Chorioamnionitis
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Coronary Stenosis
- Dementia
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Angiopathies
- Disease Progression
- Drug Toxicity
- Dyslipidemias
- Edema
- Esophageal Neoplasms
- Esophagitis
- Fatty Liver
- Fetal Membranes
- Genetic Predisposition to Disease
- Glomerulonephritis
- Glucose Metabolism Disorders
- Hepatitis C
- Hypercholesterolemia

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Hyperglycemia
- Hyperlipidemia
- Hyperlipidemias
- Hypertension
- Hypertriglyceridemia
- Hypertrophy
- Inflammation
- Insulin Resistance
- Kidney Failure
- Liver Cirrhosis
- Liver Neoplasms
- Lung Neoplasms
- Metabolic Syndrome X
- Multiple Sclerosis
- Myocardial Infarction
- Neoplasms
- Obesity
- Obstetric Labor
- Osteoporosis
- Peripheral Vascular Diseases
- Polycystic Ovary Syndrome
- Pre-Eclampsia
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Psoriasis

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Psychomotor Performance
- Radiation Injuries
- Radiation Pneumonitis
- Syndrome
- Task Performance and Analysis
- Thrombosis
- Tobacco Use Disorder
- Ventricular Dysfunction

Copyright © 2023 Abnova Corporation. All Rights Reserved.