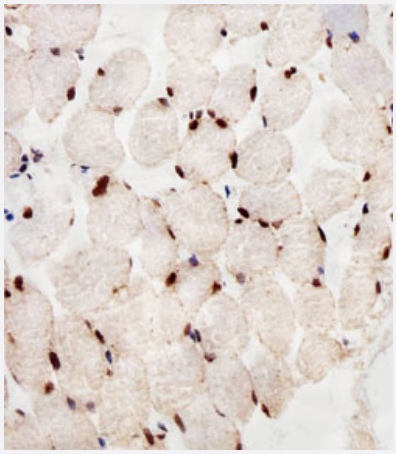
PPARA monoclonal antibody, clone 1331CT894.186.143

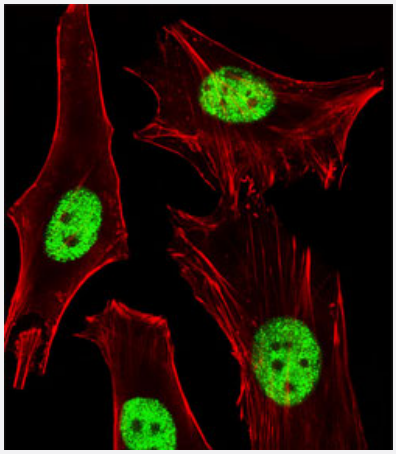
Catalog # MAB12349 Size 400 uL

Applications



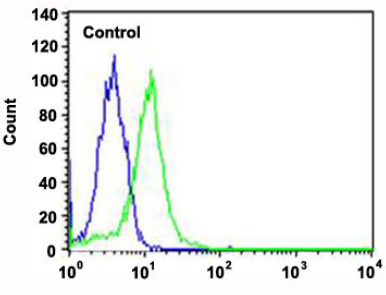
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded human skeletal muscle section reacted with PPARA monoclonal antibody (Cat # MAB12349) at 1:25 dilution.



Immunofluorescence

Immunofluorescent staining of Hela cells reacted with PPARA monoclonal antibody (Cat # MAB12349) at 1:25 dilution.



Flow Cytometry

Flow cytometric analysis of Hela cells (green histogram) and an isotype control of mouse IgG1 (blue histogram) reacted with PPARA monoclonal antibody (Cat # MAB12349) at 1:25 dilution.

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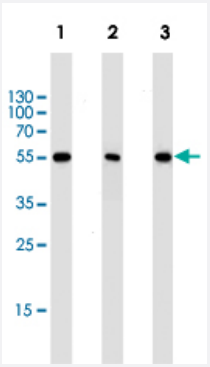

Western Blot (Cell lysate)

Western blot analysis of Lane 1: Hela cell line lysates Lane 2: Jurkat cell line lysates Lane 3: mouse NIH/3T3 cell line lysates reacted with PPARA monoclonal antibody (Cat # MAB12349) at 1:1000 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against human PPARA.
Immunogen	Recombinant protein corresponding to human PPARA.
Host	Mouse
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (1:25) Immunohistochemistry (1:25) Immunofluorescence (1:25) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of paraffin-embedded human skeletal muscle section reacted with PPARA monoclonal antibody (Cat # MAB12349) at 1:25 dilution.

- Immunofluorescence

  Immunofluorescent staining of Hela cells reacted with PPARA monoclonal antibody (Cat # MAB12349) at 1:25 dilution.

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  Flow cytometric analysis of Hela cells (green histogram) and an isotype control of mouse IgG1 (blue histogram) reacted with PPARA monoclonal antibody (Cat # MAB12349) at 1:25 dilution.

- Western Blot (Cell lysate)

  Western blot analysis of Lane 1: Hela cell line lysates Lane 2: Jurkat cell line lysates Lane 3: mouse NIH/3T3 cell line lysates reacted with PPARA monoclonal antibody (Cat # MAB12349) at 1:1000 dilution.

Gene Info — PPARA

Entrez GeneID	5465
Gene Name	PPARA
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

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Publication Reference

- Alteration of CYP4A11 expression in renal cell carcinoma: diagnostic and prognostic implications.

  Sup Kim, Jin Man Kim, Hyo Jin Lee, Jae Sung Lim, In-Ock Seong, Kyung-Hee Kim.

  Journal of Cancer 2020 Jan; 11(6):1478.

  Application: IHC, Human, Clear-cell renal cell carcinoma (ccRCC), kidney cortex, papillary renal cell carcinoma

Pathway

- Adipocytokine signaling pathway
- PPAR signaling pathway

Disease

- Adenocarcinoma
- Alzheimer disease
- Arterial Occlusive Diseases
- Arteriosclerosis
- Atherosclerosis
- Body Weight
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Chorioamnionitis
- Coronary Artery Disease

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- 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
- Hyperglycemia
- Hyperlipidemia
- Hyperlipidemias
- Hypertension
- Hypertriglyceridemia

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- 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
- Psychomotor Performance
- Radiation Injuries
- Radiation Pneumonitis
- Syndrome

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- Task Performance and Analysis
- Thrombosis
- Tobacco Use Disorder
- Ventricular Dysfunction

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