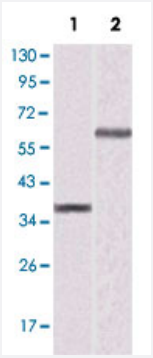
# PPARG monoclonal antibody, clone 5D2

Catalog # MAB8317 Size 100 uL

## Applications




### Western Blot

Western blot analysis using PPARG monoclonal antibody, clone 5D2 (Cat # MAB8317) against truncated PPARG recombinant proteing (Lane 1) and K-562 cell lysate (Lane 2).

## Specification

| | |
|---|---|
| **Product Description** | Mouse monoclonal antibody raised against partial recombinant PPARG. |
| **Immunogen** | Recombinant protein corresponding to truncated human PPARG. |
| **Host** | Mouse |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Isotype** | IgG1 |
| **Recommend Usage** | Western Blot (1:500-1:2000)<br>Immunofluorescence (1:200-1:1000)<br>ELISA (1:10000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In ascites |
| **Storage Instruction** | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |

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## Applications

- Immunofluorescence
- Enzyme-linked Immunoabsorbent Assay
- Western Blot

Western blot analysis using PPARG monoclonal antibody, clone 5D2 (Cat # MAB8317) against truncated PPARG recombinant proteing (Lane 1) and K-562 cell lysate (Lane 2).

## Gene Info — PPARG

| | |
|---|---|
| **Entrez GeneID** | 5468 |
| **Gene Name** | PPARG |
| **Gene Alias** | CIMT1, NR1C3, PPARG1, PPARG2, PPARgamma |
| **Gene Description** | peroxisome proliferator-activated receptor gamma |
| **Omim ID** | 137800 151660 601487 601665 604367 609830 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a member of the peroxisome proliferator-activated receptor (PPAR) subfamily of nuclear receptors. PPARs form heterodimers with retinoid X receptors (RXRs) and these heterodimers regulate transcription of various genes. Three subtypes of PPARs are known: PPAR-alpha, PPAR-delta, and PPAR-gamma. The protein encoded by this gene is PPAR-gamma and is a regulator of adipocyte differentiation. Additionally, PPAR-gamma has been implicated in the pathology of numerous diseases including obesity, diabetes, atherosclerosis and cancer. Alternatively spliced transcript variants that encode different isoforms have been described. [provided by RefSeq |
| **Other Designations** | OTTHUMP00000185030\|OTTHUMP00000185033\|OTTHUMP00000185037\|PPAR gamma\|nuclear receptor subfamily 1 group C member 3\|peroxisome proliferative activated receptor gamma\|peroxisome proliferative activated receptor, gamma\|peroxisome proliferator activated recept |

## Publication Reference

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- Beyond peroxisome proliferator-activated receptor gamma signaling: the multi-facets of the antitumor effect of thiazolidinediones.

  Weng JR, Chen CY, Pinzone JJ, Ringel MD, Chen CS.

  Endocrine-Related Cancer 2006 Jun; 13(2):401.

  Application: WB-Ce, Human, LNCaP, PC-3 cells

- Peroxisome proliferator-activated receptor-gamma agonist is protective in podocyte injury-associated sclerosis.

  Yang HC, Ma LJ, Ma J, Fogo AB.

  Kidney International 2006 May; 69(10):1756.

  Application: IHC-P, IS, Rat, Kidneys

- Transforming growth factor-beta inhibits CCAAT/enhancer-binding protein expression and PPARgamma activity in unloaded bone marrow stromal cells.

  Ahdjoudj S, Kaabeche K, Holy X, Fromigue O, Modrowski D, Zerath E, Marie PJ.

  Experimental Cell Research 2005 Feb; 303(1):138.

  Application: IP, WB, Rat, Bone marrow stromal cells

## Pathway

- Pathways in cancer
- PPAR signaling pathway
- Thyroid cancer

## Disease

- Adenocarcinoma
- Adenoma
- Adenomatous Polyps
- Albuminuria
- Alcoholism
- Alzheimer disease
- Amyotrophic lateral sclerosis

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- Angina Pectoris
- Anorexia Nervosa
- Aortic Aneurysm
- Arrhythmogenic Right Ventricular Dysplasia
- Arteriosclerosis
- Arthritis
- Asthma
- Atherosclerosis
- Biliary Tract Neoplasms
- Birth Weight
- Body Weight
- Bone Diseases
- Brain Ischemia
- Breast cancer
- Breast Diseases
- Breast Neoplasms
- Bulimia
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Carotid Artery Diseases
- Cellulitis
- Cerebrovascular Accident
- Chest Pain
- Chorioamnionitis
- Chronic Disease

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- Cognition Disorders
- Colitis
- Colon cancer
- Colonic Neoplasms
- Colonic Polyps
- Colorectal Neoplasms
- Constriction
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Coronary Stenosis
- Crohn Disease
- Dementia
- Dental Plaque
- Diabetes
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Nephropathies
- Diabetic Neuropathies
- Diabetic Retinopathy
- Disease Progression
- Disease Susceptibility
- Drug Toxicity
- Dyslipidemias

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- Dyspepsia
- Edema
- Endometrial Neoplasms
- Endometriosis
- Esophageal Neoplasms
- Esophagitis
- Fatty Liver
- Femur Head Necrosis
- Fetal Membranes
- Gallstones
- Gastritis
- Genetic Predisposition to Disease
- Glomerulonephritis
- Glucose Intolerance
- Glucose Metabolism Disorders
- Graves Disease
- Graves Ophthalmopathy
- Growth Disorders
- Hearing Loss
- Helicobacter Infections
- Hepatitis
- Hirsutism
- HIV Infections
- HIV-Associated Lipodystrophy Syndrome
- Hodgkin Disease
- Hyperandrogenism

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- Hypercholesterolemia
- Hyperglycemia
- Hyperinsulinism
- Hyperlipidemia
- Hyperlipidemias
- Hypertension
- Hypertriglyceridemia
- Hypertrophy
- Inflammation
- Insulin Resistance
- Kidney Diseases
- Kidney Failure
- Kidney Neoplasms
- Leiomyoma
- Lipid Metabolism
- Lipid Metabolism Disorders
- Lipodystrophy
- Liver Cirrhosis
- Lung Neoplasms
- Lupus Erythematosus
- Lymphoma
- Malignant melanoma
- Melanoma
- Mental Status Schedule
- Metabolic Diseases
- Metabolic Syndrome X

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- Microsatellite Instability
- Multiple Myeloma
- Multiple Sclerosis
- Myocardial Infarction
- Neoplasm Recurrence
- Neoplasms
- Neuropsychological Tests
- Obesity
- Obstetric Labor
- Orbital Diseases
- Osteoarthritis
- Osteoporosis
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms
- Overweight
- Pancreatic cancer
- Pancreatic Neoplasms
- Peptic Ulcer
- Periodontitis
- Peripheral Vascular Diseases
- Polycystic Ovary Syndrome
- Prediabetic State
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth

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- Prenatal Exposure Delayed Effects
- Prostate cancer
- Prostatic Neoplasms
- Psoriasis
- Psychiatric Status Rating Scales
- Puberty
- Pulmonary Disease
- Radiation Injuries
- Radiation Pneumonitis
- Rectal Neoplasms
- Recurrence
- Renal Insufficiency
- Sarcoidosis
- Schizophrenia
- Skin Diseases
- Skin Neoplasms
- Starvation
- Stomach Neoplasms
- Stroke
- Syndrome
- Thinness
- Thrombophilia
- Thyroid Neoplasms
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Neoplasms

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- Ventricular Dysfunction
- Weight Gain
- Weight Loss
- Werner syndrome

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