

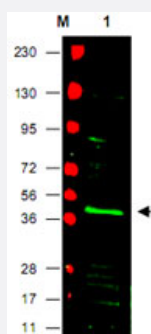
PPARG polyclonal antibody

Catalog # PAB11248

Size 100 ug

Applications

Western Blot (Cell lysate)



Western blot using PPARG polyclonal antibody (Cat # PAB11248) shows detection of PPARG protein in a mouse NIH/3T3 whole cell lysate (Lane 1 arrowhead).

Approximately 20 ug of lysate was loaded onto a 4-20% gradient gel followed by transfer to nitrocellulose.

Primary antibody was used at a 1 : 2,000 dilution in 5% BLOTTO PBS solution. The membrane was washed and reacted with a 1 : 10,000 dilution of IRDye. IgG™800 Conjugated Affinity Purified Goat-anti-Rabbit [H&L] MX10.

Molecular weight estimation was made by comparison to prestained MW markers indicated at the left (Lane M).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PPARG.
Immunogen	A synthetic peptide corresponding to N-terminus of human PPARG.
Host	Rabbit
Reactivity	Dog, Human, Macaque, Mouse, Pig
Specificity	This affinity purified antibody is directed against human PPAR gamma isoform 2 protein. No reactivity is expected against other subtypes of PPAR.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:4000-1:40000) Western Blot (1:1000-1:3000) The optimal working dilution should be determined by the end user.

Storage Buffer	In 20 mM KH ₂ PO ₄ , 150 mM NaCl, pH 7.2 (0.01% 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 should be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PPARG

Entrez GeneID	5468
Protein Accession#	P37231;NP_056953
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 receptor

Publication Reference

- [Increased expression of transglutaminase-1 and PPARgamma after vitamin E treatment in human keratinocytes.](#)

De Pascale MC, Bassi AM, Patrone V, Villacorta L, Azzi A, Zingg JM.

Archives of Biochemistry and Biophysics 2006 Mar; 447(2):97.

Application: WB, Human, NCTC 2544 cells

- [Bacillus Calmette-Guerin induces the expression of peroxisome proliferator-activated receptor gamma in bladder cancer cells.](#)

Lodillinsky C, Umerez MS, Jasnis MA, Casabe A, Sandes E, Eijan AM.

International Journal of Molecular Medicine 2006 Feb; 17(2):269.

Application: IF, IHC-P, Human, Mouse, MB49, T24 cells

- [The kinase p38 regulates peroxisome proliferator activated receptor-gamma in human trophoblasts.](#)

Schild RL, Sonnenberg-Hirche CM, Schaiff WT, Bildirici I, Nelson DM, Sadovsky Y.

Placenta 2006 Feb; 27(2-3):191.

Application: WB, Human, Human primary trophoblasts

Pathway

- [Pathways in cancer](#)
- [PPAR signaling pathway](#)
- [Thyroid cancer](#)

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adenomatous Polyps](#)

- [Albuminuria](#)
- [Alcoholism](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Angina Pectoris](#)
- [Anorexia Nervosa](#)
- [Aortic Aneurysm](#)
- [Arrhythmogenic Right Ventricular Dysplasia](#)
- [Arteriosclerosis](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Biliary Tract Neoplasms](#)
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- [Body Weight](#)
- [Bone Diseases](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Diseases](#)
- [Breast Neoplasms](#)
- [Bulimia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)

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- [Cerebrovascular Accident](#)
- [Chest Pain](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [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](#)
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- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Drug Toxicity](#)
- [Dyslipidemias](#)
- [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](#)
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- [Helicobacter Infections](#)
- [Hepatitis](#)
- [Hirsutism](#)

- [HIV Infections](#)
- [HIV-Associated Lipodystrophy Syndrome](#)
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- [Hypercholesterolemia](#)
- [Hyperglycemia](#)
- [Hyperinsulinism](#)
- [Hyperlipidemia](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Hypertrophy](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
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- [Lipid Metabolism](#)
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- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Malignant melanoma](#)

- [Melanoma](#)
- [Mental Status Schedule](#)
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- [Prediabetic State](#)
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- [Radiation Pneumonitis](#)
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- [Stomach Neoplasms](#)
- [Stroke](#)
- [Syndrome](#)
- [Thinness](#)
- [Thrombophilia](#)

- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Neoplasms](#)
- [Ventricular Dysfunction](#)
- [Weight Gain](#)
- [Weight Loss](#)
- [Werner syndrome](#)