



Rabbit Anti-PPARG monoclonal antibody, clone KG212-5 (CABT-L880)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	PPAR gamma
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KG212-5
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB
Molecular Weight	58 kDa
Cellular Localization	Nucleus, Cytoplasm.
Positive Control	PC-12.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

Peroxisome proliferator-activated receptors (PPARs) are members of the nuclear hormone receptor subfamily of transcription factors. PPARs form heterodimers with retinoid X receptors (RXRs). These heterodimers regulate transcription of genes involved in insulin action, adipocyte differentiation, lipid metabolism and inflammation. PPAR γ is implicated in numerous diseases including obesity, diabetes, atherosclerosis and cancer. PPAR γ activators include prostanoids, fatty acids, thiazolidinediones and N-(2-benzoylphenyl) tyrosine analogues. A key component in adipocyte differentiation and fat-specific gene expression, PPAR γ may modulate macrophage functions such as proinflammatory activities, and stimulate oxidized low-density lipoprotein (ox-LDL) uptake. A Pro12Ala polymorphism of the PPAR γ 2 gene has been reported to reduce transactivation activity in vitro. This substitution may affect the immune response to ox-LDL and be associated with type 2 diabetes. In addition, the Pro12Ala variant of the PPAR γ 2 gene maybe correlated with abdominal obesity in type 2 diabetes.

Keywords

CIMT1;GLM1;NR1C3;Nuclear receptor subfamily 1 group C member 3;OTTHUMP00000185032;OTTHUMP00000185036;Peroxisome proliferator activated nuclear receptor gamma variant 1;Peroxisome proliferator activated receptor gamma 1;Peroxisome Proliferator Activated Receptor gamma;Peroxisome proliferator-activated receptor gamma;PPAR gamma;PPAR-gamma;PPARG;PPARG_HUMAN;PPARG1;PPARG2;PPARGgamma antibody
