

PPAR γ polyclonal antibody

Catalog: BS91100

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

57/54/21 kDa

Swiss-Prot:

P37231(Human)

Purification&Purity:

Protein affinity purified.

Applications:

WB:1:500

ICC:1:100

IHC:1:50-1:100

FC:1:50-1:100

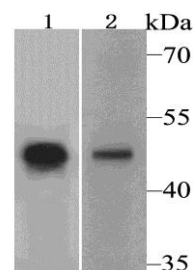
Storage&Stability:

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

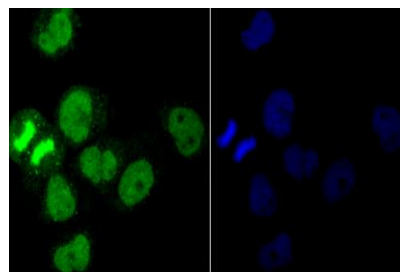
Specificity:

PPAR γ polyclonal antibody detects endogenous levels of PPAR γ protein.

DATA:



Western blot analysis of PPAR gamma on PC-12 cell and human liver tissue lysate using anti-PPAR gamma antibody at 1/500 dilution.



ICC staining PPAR gamma in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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