



## Rabbit anti PPAR $\gamma$ Polyclonal Antibody

Alternative Name(s): peroxisome proliferator activated receptor gamma; PPAR-gamma

### Order Information

- **Description:** PPAR $\gamma$
- **Catalogue:** 600-170
- **Lot:** See label
- **Size:** 100 $\mu$ g/200 $\mu$ l
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu

### **ANTIGEN PREPARATION**

The full-length recombinant protein of human PPAR-gamma.

### **BACKGROUND**

The Peroxisome proliferator-activated receptor gamma (PPAR-gamma) is a ligand activated transcription factor belonging to the nuclear receptor superfamily. PPARs form heterodimers with retinoid X receptors (RXRs) and these heterodimers regulate transcription of various genes. PPARs bind peroxisome proliferators and control the size and number of peroxisomes produced by cells. 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

### **PURIFICATION**

The Rabbit IgG is purified by Epitope Affinity Purification

### **FORMULATION**

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

### **SPECIFICITY**

This antibody recognizes human PPAR-gamma protein. Others are not tested.

### **STORAGE**

The antibodies are stable for 24 months from date of receipt when stored at  $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$ . The antibodies can be stored at  $2^{\circ}\text{C}$ - $8^{\circ}\text{C}$  for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

- Western Blot: 0.1-1  $\mu$ g/ml
- ELISA: 0.01-0.1  $\mu$ g/ml
- Immunoprecipitation: 2-5  $\mu$ g/ml
- IHC: 2-10  $\mu$ g/ml
- Flow cytometry: Not tested
- Molecular Weight: 55.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

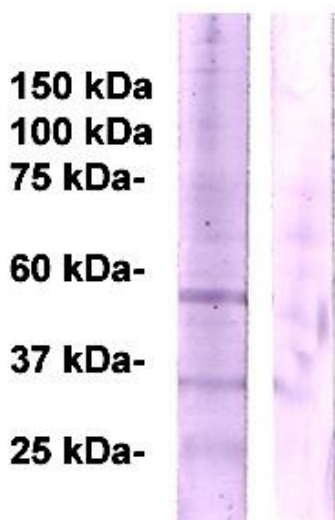
\*Optimal dilutions should be determined by researchers for the specific applications.

### **FOR RESEARCH USE ONLY.**

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## DATA ATTACHMENTS



Western Blot: Whole cell lysate derived from HT-29 was resolved onto 10% SDS-PAGE, transferred onto NC membrane, then immune-probed by Rabbit anti-PPAR-gamma antibody (Lane 1) or pre-depleted antibody by the immunizing antigen (lane 2) at 1:500. The immune-reactive band around ~55kDa was depleted.

## REFERENCES

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