

Nur für Forschungszwecke

# PPAR Gamma Monoklonaler Antikörper



Katalog-Nr.: 60127-1-Ig

Vorgestelltes Produkt

3 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 60127-1-Ig	<b>GenBank-Zugangsnummer:</b> BC006811	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul, Konzentration: 500 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 5468	<b>CloneNo.:</b> 4E12F10
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> peroxisome proliferator-activated receptor gamma	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:6000 IHC 1:4000-1:16000 IF 1:200-1:800
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 58 kDa	
<b>Immunogen Katalognummer:</b> AG10005	<b>Beobachtete Masse:</b> 50-60 kDa	

## Anwendungen

### Geprüfte Anwendungen:

FC, IF, IHC, WB, ELISA

### In Publikationen genannte Anwendungen:

IHC, WB

### Getestete Reaktivität:

Human, Maus, Ratte

### Zitierte Arten:

Maus

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

WB : HL-60-Zellen, THP-1-Zellen

IHC : humanes Prostatakarzinomgewebe, humanes Kolonkarzinomgewebe, humanes Plazenta-Gewebe, Maus-Kolongewebe, Ratten-Kolongewebe

IF : humanes Kolongewebe,

## Hintergrundinformationen

Peroxisome Proliferator-Activated Receptors (PPARs) are ligand-activated intracellular transcription factors, members of the nuclear hormone receptor superfamily (NR), that includes estrogen, thyroid hormone receptors, retinoic acid, Vitamin D3 as well as retinoid X receptors (RXRs). The PPAR subfamily consists of three subtypes encoded by distinct genes denoted PPAR $\alpha$  (NR1C1), PPAR $\beta/\delta$  (NR1C2) and PPAR $\gamma$  (NR1C3), which are activated by selective ligands. PPAR $\gamma$ , also named as PPAR $\gamma$ , contains one nuclear receptor DNA-binding domain and is a receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. It plays an important role in the regulation of lipid homeostasis, adipogenesis, INS resistance, and development of various organs. Defects in PPAR $\gamma$  are the cause of familial partial lipodystrophy type 3 (FPLD3) and may be associated with susceptibility to obesity. Defects in PPAR $\gamma$  can lead to type 2 INS-resistant diabetes and hypertension. PPAR $\gamma$  mutations may be associated with colon cancer. Genetic variations in PPAR $\gamma$  are associated with susceptibility to glioma type 1 (GLM1). PPAR $\gamma$  has two isoforms with molecular weight 57 kDa and 54 kDa (PMID: 9831621), but modified PPAR $\gamma$  is about 67 kDa (PMID: 16809887). PPAR $\gamma$ 2 is a splice variant and has an additional 30 amino acids at the N-terminus (PMID: 15689403). Experimental data indicate that a 45 kDa protein displaying three different sequences immunologically related to the nuclear receptor PPAR $\gamma$ 2 is located in mitochondria (mt-PPAR). However, the molecular weight of this protein is clearly less when compared to that of PPAR $\gamma$ 2 (57 kDa). (PMID: 10922459). PPAR $\gamma$  has been reported to be localized mainly (but not always) in the nucleus. PPAR $\gamma$  can also be detected in the cytoplasm and was reported to possess extra-nuclear/non-genomic actions (PMID: 17611413; 19432669; 14681322).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xin Shen	34351342	Food Funct	WB
Chen Chen	29654510	J Physiol Biochem	WB
Yumin Lin	36741233	J Immunol Res	IHC

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

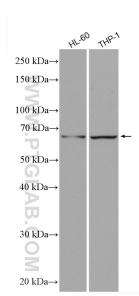
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

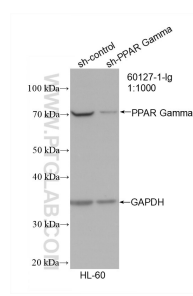
E: proteintech@ptglab.com  
W: ptglab.com

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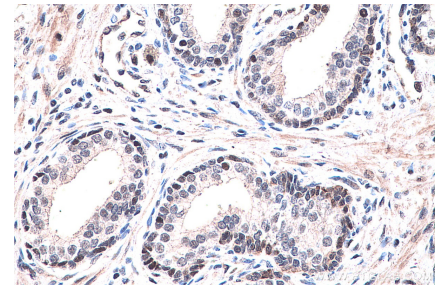
## Ausgewählte Validierungsdaten



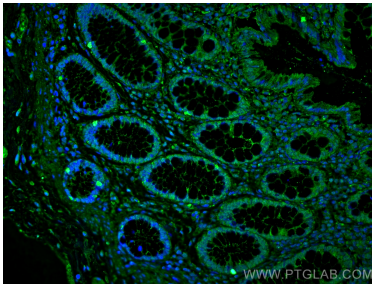
Various lysates were subjected to SDS PAGE followed by western blot with 60127-1-Ig (PPAR Gamma antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



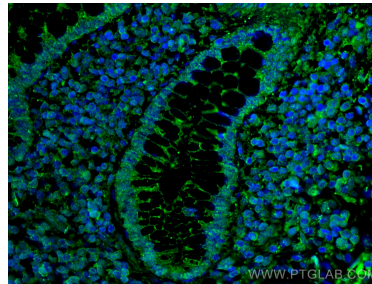
WB result of PPAR Gamma antibody (60127-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PPAR Gamma transfected HL-60 cells.



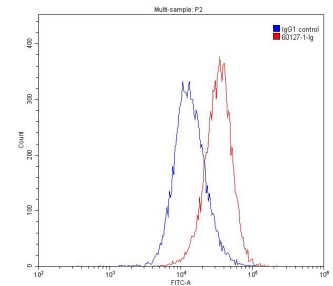
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 60127-1-Ig (PPAR Gamma antibody) at dilution of 1:8000 (under 40x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human colon tissue using PPAR Gamma antibody (60127-1-Ig, Clone: 4E12F10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human colon tissue using PPAR Gamma antibody (60127-1-Ig, Clone: 4E12F10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



$1 \times 10^6$  K-562 cells were stained with 0.20ug PPAR gamma antibody (60127-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.