Nur für Forschungszwecke

PPARA Polyklonaler Antikörper

Katalog-Nr.:15540-1-AP Vorgestelltes Produkt 159 Publikationen

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Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
15540-1-AP

Größe:
150ul , Konzentration: 650 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG7896

GenBank-Zugangsnummer:
BC000052

GeneID (NCBI):
5465

Vollständiger Name:
peroxisome proliferator-activated receptor alpha

Berechneté Masse:
52 kDa

Beobachteté Masse:
52 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:500-1:1000
IP 0.5-4.0 ug für IP und 1:200-1:1000 für WB

Anwendungen

Geprüfte Anwendungen:
IP, WB, ELISA

In Publikationen genannte Anwendungen:
ChIP, IF, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Hamster, Hausschwein, Huhn, Human, Maus, Ratte, Ziege

Positivkontrollen:

WB : C2C12-Zellen,

IP : U-937-Zellen,

Hintergrundinformationen

Peroxisome proliferator-activated receptor alpha (PPARA) is a ligand-activated transcription factor that belongs to the PPAR nuclear receptor superfamily. PPARA is essential in the modulation of lipid transport and metabolism, mainly through activating mitochondrial and peroxisomal fatty acid β-oxidation pathways. In addition, PPARA seems to decrease inflammation mainly through direct interaction with NF-κB, causing inhibition of its signaling pathway or reducing the activated levels of NF-κB and subsequent inflammation. Furthermore, PPARA was implicated in the attenuation of oxidative stress in alcoholic liver disease when treated with polyenephosphatidylcholine through downregulation of ROS-generating enzymes such as ethanol-inducible cytochrome P450 2E1 (CYP2E1), acyl-CoA oxidase, and NADPH oxidase. PPARA exists two isoforms and molecular weight of PPARA isoforms are 52 kDa and 22 kDa. The ability of a retinoid X receptor (RXR) to heterodimerize with many nuclear receptors, including LXR, PPAR, NGF1B and RAR, underscores its pivotal role within the nuclear receptor superfamily. Among these heterodimers, PPAR:RXR is considered an important signalling mediator of both PPAR ligands, such as fatty acids, and 9-cis retinoic acid (9-cis RA), an RXR ligand. (PMID: 15103326). PPARA can form Heterodimer with RXRA and molecular weight of Heterodimer is about 110 kDa.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yuxiang Sun	31590050	Colloids Surf B Biointerfaces	WB
Lei Ye	33491741	Int J Oncol	WB
Alyssa Charrier	27624101	Am J Physiol Endocrinol Metab	WB

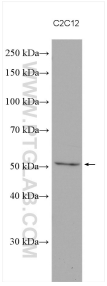
Lagerung

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

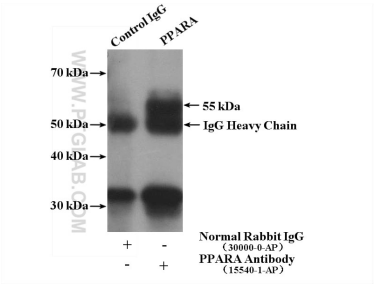
*** 20ul-Größen enthalten 0.1% BSA

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

Ausgewählte Validierungsdaten



C2C12 cells were subjected to SDS PAGE followed by western blot with 15540-1-AP (PPARA antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-PPARA (IP:15540-1-AP, 4ug; Detection:15540-1-AP 1:300) with U-937 cells lysate 4000ug.