À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-PPARA

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:15540-1-AP Phare 163 Publications

Informations de base

Numéro de catalogue:
15540-1-AP

Taille:
150ul , Concentration: 650 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG7896

Numéro d'acquisition GenBank:
BC000052

Identification du gène (NCBI):
5465

Nom complet:
peroxisome proliferator-activated receptor alpha

MW calculé
52 kDa

MW observés:
52 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:1000
IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB

Applications

Applications testées:
IP, WB, ELISA

Demandes citées:
ChIP, IF, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Chèvre, Humain, porc, poulet, rat, souris, Hamster

Contrôles positifs:

WB : cellules C2C12,

IP : cellules U-937,

Informations générales

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.

Publications notables

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

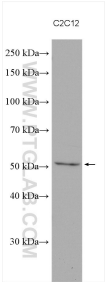
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

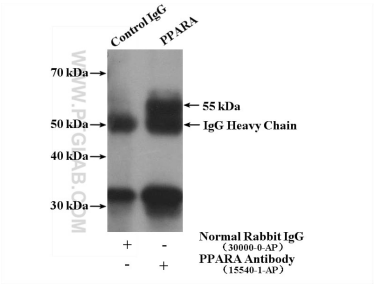
***** Les 20ul contiennent 0,1% de BSA.**

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

Données de validation sélectionnées



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.