

À des fins de recherche uniquement

Anticorps Monoclonal anti-PPARA

Numéro de catalogue: 66826-1-Ig **33 Publications**



Informations de base

Numéro de catalogue: 66826-1-Ig	Numéro d'acquisition GenBank: BC000052	Méthode de purification: Purification par protéine G
Taille: 150ul, Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 5465	CloneNo.: 1G1E10
Hôte: Mouse	Nom complet: peroxisome proliferator-activated receptor alpha	Dilutions recommandées: WB 1:1000-1:4000
Isotype: IgG1	MW calculé 52 kDa	
Immunogen Catalog Number: AG7896	MW observés: 53 kDa	

Applications

Applications testées:
WB, ELISA

Demandes citées:
IHC, WB

Spécificité de l'espèce:
Humain, rat

Espèces citées:
Humain, porc, rat, souris

Contrôles positifs:

WB : cellules HepG2, cellules HeLa, cellules HSC-T6,
cellules ROS1728

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- κ B, causing inhibition of its signaling pathway or reducing the activated levels of NF- κ B and subsequent inflammation. Furthermore, PPARA was implicated in the attenuation of oxidative stress in alcoholic liver disease when treated with polyene phosphatidylcholine 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
Jia Xu	36210393	Fish Physiol Biochem	WB
Zhonghao Li	36498935	Int J Mol Sci	WB
Xin Yin	35534547	Cell Death Differ	WB,IHC

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azote 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.

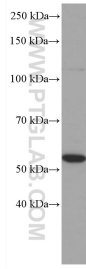
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Données de validation sélectionnées



HepG2 cells were subjected to SDS PAGE followed by western blot with 66826-1-Ig (PPARA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.