

Nur für Forschungszwecke

PPARA Monoklonaler Antikörper

Katalog-Nr.: 66826-1-Ig **24 Publikationen**



Allgemeine Informationen

Katalog-Nr.: 66826-1-Ig	GenBank-Zugangsnummer: BC000052	Reinigungsmethode: Protein-G-Reinigung
Größe: 150ul, Konzentration: 1000 µg/ml von 5465 Nanodrop und 492 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 5465	CloneNo.: 1G1E10
Wirt: Maus	Vollständiger Name: peroxisome proliferator-activated receptor alpha	Empfohlene Verdünnungen: WB 1:1000-1:4000
Isotyp: IgG1	Berechnete Masse: 52 kDa	
Immunogen Katalognummer: AG7896	Beobachtete Masse: 53 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB: HepG2-Zellen, HeLa-Zellen, ROS1728-Zellen
In Publikationen genannte Anwendungen: IHC, WB	
Getestete Reaktivität: Human, Ratte	
Zitierte Arten: Hausschwein, Human, Maus	

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- 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 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
Jia Xu	36210393	Fish Physiol Biochem	WB
Zhonghao Li	36498935	Int J Mol Sci	WB
Xin Yin	35534547	Cell Death Differ	WB, IHC

Lagerung

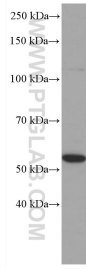
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

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Ausgewählte Validierungsdaten



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.