Anti-PPARA Antibody

Catalog Number: *A00600-2*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-PPARA Antibody
Gene Name	PPARA
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human PPAR alpha/PPARA recombinant protein (Position: M1-L426).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	52 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA):1:100-1000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Peroxisome proliferator-activated receptor alpha(PPAR-alpha), also known as NR1C1(nuclear receptor subfamily 1, group C, member 1), is a nuclear receptor protein that in humans is encoded by the PPARA gene. PPARA gene spans 83.7 kb and contains 8 exons. And the PPAR gene is mapped to chromosome 22q12-q13.1. Sher et al.(1993) cloned a cDNA for human peroxisome proliferator-activated receptor from a human liver cDNA library. The PPAR cDNA exhibited 85% and 91% DNA and deduced amino acid sequence identity, respectively, with mouse PPAR. PPAR-alpha is a transcription factor and a major regulator of lipid metabolism in the liver.

Reference

Anti-PPARA Antibody被引用在6文献中。

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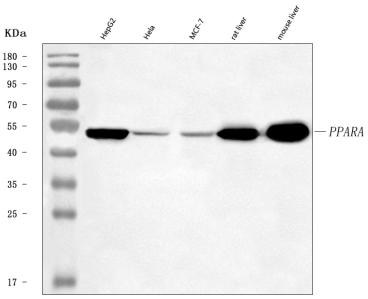
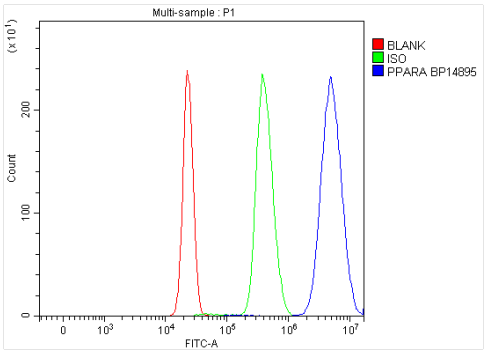
Selected Validation Data



Western blot analysis of PPARA using anti-PPARA antibody (A00600-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: HepG2 whole cell lysates,
Lane 2: Hela whole cell lysates,
Lane 3: MCF-7 whole cell lysates,
Lane 4: rat liver tissue lysates,
Lane 5: mouse liver tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-PPARA antigen affinity purified polyclonal antibody (A00600-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for PPARA at approximately 52 kDa. The expected band size for PPARA is at 52 kDa.



Flow Cytometry analysis of HepG2 cells using anti-PPARA antibody (A00600-2).
Overlay histogram showing HepG2 cells stained with A00600-2 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PPARA Antibody (A00600-2) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.