

PPAR α (ANT0084R) Rabbit mAb

CatalogNo: ANT8234 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IHC,IF,IP,ELISA

Applications

MW

- 52kD (Calculated)
- 52kD (Observed)

Isotype

- IgG,Kappa

Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:1000-1:5000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Basic Information

Clonality Monoclonal

Clone Number ANT0084R

Target Information

Immunogen Information Specificity

Endogenous

Gene name PPARA
Protein Name Peroxisome proliferator-activated receptor alpha

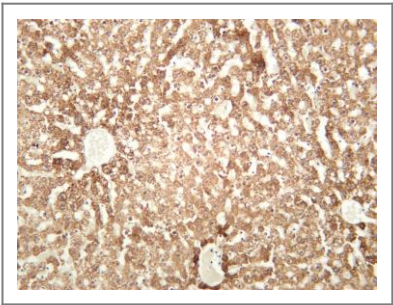
| Organism | Gene ID | UniProt ID |
|----------|------------------------|-------------------------|
| Human | 5465; | Q07869; |
| Mouse | 19013; | P23204; |
| Rat | 25747; | P37230; |

Cellular Localization Nucleus

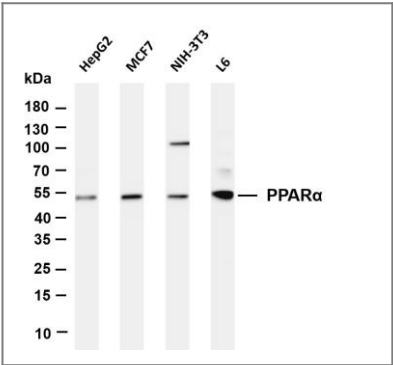
Tissue specificity Skeletal muscle, liver, heart and kidney. Expressed in monocytes (PubMed:28167758).

Function Function:Receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. Once activated by a ligand, the receptor binds to a promoter element in the gene for acyl-CoA oxidase and activates its transcription. It therefore controls the peroxisomal beta-oxidation pathway of fatty acids.,online information:Peroxisome proliferator-activated receptor entry,similarity:Belongs to the nuclear hormone receptor family. NR1 subfamily.,similarity:Contains 1 nuclear receptor DNA-binding domain.,subunit:Heterodimer with the retinoid X receptor. Interacts with NCOA3 and NCOA6 coactivators, leading to a strong increase of transcription of target genes. Also interacts with PPARBP coactivator in vitro. Interacts with AKAP13.,tissue specificity:Skeletal muscle, liver, heart and kidney.,

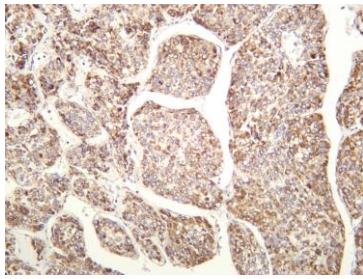
Validation Data



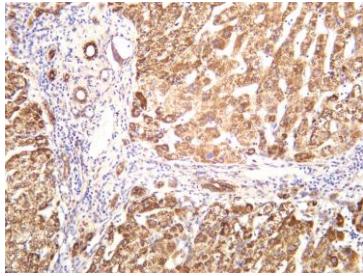
Rat liver was stained with anti-PPARα (ANT0084R) rabbit antibody



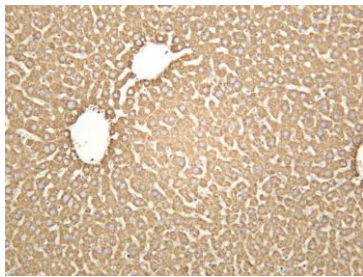
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-PPARα (ANT0084R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HepG2 Lane 2: MCF7 Lane 3: NIH-3T3 Lane 4: L6 Predicted band size: 52kDa Observed band size: 52kDa



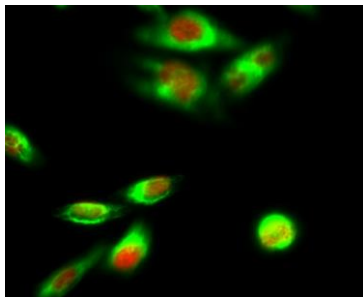
Human hepatocellular carcinoma was stained with anti-PPAR α (ANT0084R) rabbit antibody



Human liver was stained with anti-PPAR α (ANT0084R) rabbit antibody



Mouse liver was stained with anti-PPAR α (ANT0084R) rabbit antibody



Immunofluorescence analysis of HeLa cell. 1, PPAR- α Antibody (red) was diluted at 1:200 (4° overnight). Galectin-3 Monoclonal Antibody (6G2) (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog: RS3611 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog: RS3208 was diluted at 1:1000 (room temperature, 50min).

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