

PPAR α (Phospho Ser21) Rabbit pAb

CatalogNo: YP1700

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 51kD (Calculated)

Isotype

- IgG

Storage

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

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human PPAR α (Phospho-Ser21)

Specificity This antibody detects endogenous levels of PPAR α (Phospho-Ser21) at Human, Mouse, Rat. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):LEsPL

Target Information

Gene name PPARA NR1C1 PPAR

Protein Name PPAR α (Phospho-Ser21)

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

Contact information

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