

PPAR α (Phospho Ser21) Rabbit pAb

CatalogNo: YP1576 Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC

MW

- 52kD (Observed)

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

IHC 1:50-300

Basic Information

Clonality Polyclonal

Immunogen Information

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

Specificity This antibody detects endogenous levels of Human PPAR α (Phospho Ser21). 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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): L_EsP_L

| 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;

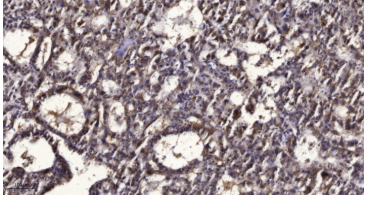
Cellular Localization Nucleus.

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

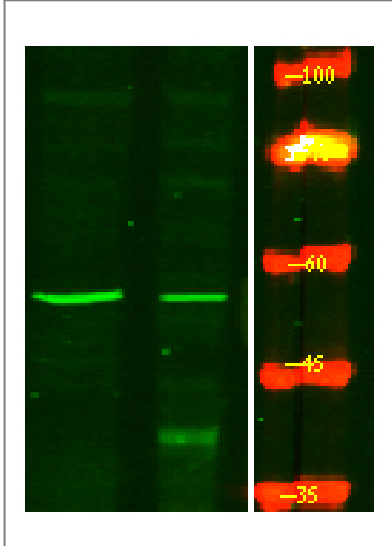
Function

negative regulation of transcription from RNA polymerase II promoter, response to hypoxia, circulatory system process, transcription, transcription, DNA-dependent, regulation of transcription, DNA-dependent, regulation of transcription from RNA polymerase II promoter, transcription from RNA polymerase II promoter, fatty acid metabolic process, lipid transport, ectoderm development, blood circulation, regulation of blood pressure, epidermis development, response to wounding, response to endogenous stimulus, response to hormone stimulus, negative regulation of biosynthetic process, positive regulation of biosynthetic process, regulation of catabolic process, positive regulation of catabolic process, response to extracellular stimulus, response to organic substance, regulation of specific transcription from RNA polymerase II promoter, negative regulation of specific transcription from RNA polymerase II promoter, positive regulation of macromolecule biosynthetic process, negative regulation of macromolecule biosynthetic process, regulation of cellular ketone metabolic process, positive regulation of macromolecule metabolic process, negative regulation of macromolecule metabolic process, positive regulation of gene expression, negative regulation of gene expression, regulation of foam cell differentiation, negative regulation of foam cell differentiation, regulation of receptor biosynthetic process, negative regulation of receptor biosynthetic process, lipid localization, regulation of lipid storage, regulation of cholesterol storage, negative regulation of cholesterol storage, negative regulation of lipid storage, regulation of sequestering of triglyceride, negative regulation of sequestering of triglyceride, monocarboxylic acid transport, organic acid transport, fatty acid transport, negative regulation of transcription, regulation of lipid metabolic process, regulation of fatty acid metabolic process, negative regulation of cellular biosynthetic process, positive regulation of cellular biosynthetic process, regulation of cellular catabolic process, positive regulation of cellular catabolic process, response to nutrient levels, regulation of fatty acid beta-oxidation, positive regulation of fatty acid beta-oxidation, regulation of response to food, negative regulation of response to food, regulation of appetite, negative regulation of appetite, regulation of response to external stimulus, negative regulation of response to external stimulus, regulation of response to extracellular stimulus, negative regulation of response to extracellular stimulus, regulation of response to nutrient levels, negative regulation of response to nutrient levels, negative regulation of gene-specific transcription, regulation of gene-specific transcription, RNA biosynthetic process, response to insulin stimulus, wound healing, lipoprotein metabolic process, response to peptide hormone stimulus, regulation of transcription, negative regulation of cell differentiation, negative regulation of blood pressure, positive regulation of lipid metabolic process, negative regulation of transcription, DNA-dependent, positive regulation of transcription, DNA-dependent, positive regulation of fatty acid metabolic process, negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process, positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process, positive regulation of transcription, positive regulation of transcription from RNA polymerase II promoter, regulation of fatty acid oxidation, positive regulation of fatty acid oxidation, carboxylic acid transport, negative regulation of response to stimulus, regulation of lipid catabolic process, positive regulation of lipid catabolic process, negative regulation of nitrogen compound metabolic process, positive regulation of nitrogen compound metabolic process, regulation of RNA metabolic process, negative regulation of RNA metabolic process, positive regulation of RNA metabolic process, response to oxygen levels,

| Validation Data



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Tris-EDTA, pH 9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 45min).



Western Blot analysis of HeLa treated or untreated by LPS lysis, using primary antibody at 1:1000 dilution. Secondary antibody (catalog#:RS23920) was diluted at 1:10000

Contact information

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Please scan the QR code to access additional product information:
PPAR α (Phospho Ser21) Rabbit pAb

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