Best Tools for immunology Research

PPAR a protein

Catalog No :	YD0085
Reactivity :	Human
Applications :	WB;SDS-PAGE
Gene Name :	PPARA
Protein Name :	PPAR a protein
Sequence :	Amino acid: 135-239, with his-MBP tag.
Human Gene Id :	5465
Human Swiss Prot No :	Q07869
Mouse Swiss Prot No :	P23204
Formulation :	Liquid in PBS
Concentration :	SDS-PAGE >90%
Storage Stability :	-20°C/6 month,-80°C for long storage
Background :	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.,
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 p

Subcellular Location : Nucleus.

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

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