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anti-PPARA antibody (N-Term)

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Publications



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Quantity:	100 μL	
quartity.	. 55 PE	
Target:	PPARA	
Binding Specificity:	N-Term	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This PPARA antibody is un-conjugated	
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Chromatin Immunoprecipitation (ChIP)	

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the N-terminus region of human PPAR alpha. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Bee, Human, Mouse, Plant, Rat
Characteristics:	Rabbit Polyclonal antibody to PPAR alpha (peroxisome proliferator-activated receptor alpha) PPAR alpha antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	PPARA	
Alternative Name:	peroxisome proliferator activated receptor alpha (PPARA Products)	
Background:	Peroxisome proliferators include hypolipidemic drugs, herbicides, leukotriene antagonists, and	
	plasticizers, this term arises because they induce an increase in the size and number of	
	peroxisomes. Peroxisomes are subcellular organelles found in plants and animals that contain	
	enzymes for respiration and for cholesterol and lipid metabolism. The action of peroxisome	
	proliferators is thought to be mediated via specific receptors, called PPARs, which belong to the	
	steroid hormone receptor superfamily. PPARs affect the expression of target genes involved in	
	cell proliferation, cell differentiation and in immune and inflammation responses. Three closely	
	related subtypes (alpha, beta/delta, and gamma) have been identified. This gene encodes the	
	subtype PPAR-alpha, which is a nuclear transcription factor. Multiple alternatively spliced	
	transcript variants have been described for this gene, although the full-length nature of only two	
	has been determined.	
Molecular Weight:	52 kDa	
Gene ID:	5465	
UniProt:	Q07869	
Pathways:	Nuclear Receptor Transcription Pathway, Steroid Hormone Mediated Signaling Pathway,	
	Regulation of Lipid Metabolism by PPARalpha, Regulation of Carbohydrate Metabolic Process,	
	Hepatitis C	
Application Details		
Application Notes:	WB: 1:500-1:3000. IP: 1:100-1:500. Optimal dilutions/concentrations should be determined by	
	the researcher. Not tested in other applications.	
Comment:	Validation: KO/KD, Orthogonal, Overexpression	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	0.39 mg/mL	
Buffer:	1XPBS pH 7, 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300	

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in:

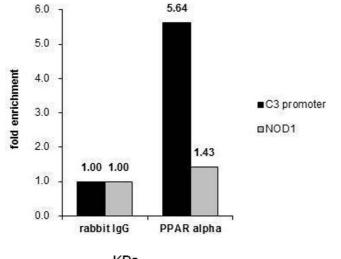
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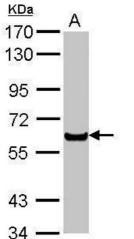
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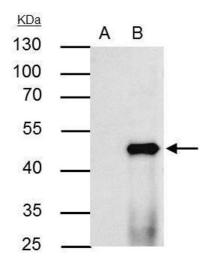
Chromatin Immunoprecipitation

Image 1. ChIP Image Cross-linked ChIP was performed with HepG2 chromatin extract and 5 μ g of either control rabbit IgG or anti-PPAR alpha antibody. The precipitated DNA was detected by PCR with primer set targeting to C3 promotor or NOD1 gene.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: Rat primary hepatocyte 7.5% SDS PAGE antibody diluted at 1:1000



Immunoprecipitation

Image 3. IP Image PPAR alpha antibody immunoprecipitates PPAR alpha protein in IP experiments. IP Sample: HepG2 whole cell lysate/extract A : Control with 2.5 μ g of pre-immune rabbit IgG B : Immunoprecipitation of PPAR alpha by 2.5 μ g of PPAR alpha antibody , 10% SDS-PAGE The immunoprecipitated PPAR alpha protein was detected by PPAR alpha antibody , diluted at 1 : 1000. EasyBlot anti-rabbit IgG (HRP) was used as a secondary reagent.