

Rabbit PPAR alpha/PPARA Polyclonal Antibody | anti-PPARA antibody

Anti-PPAR alpha/PPARA Antibody Picoband

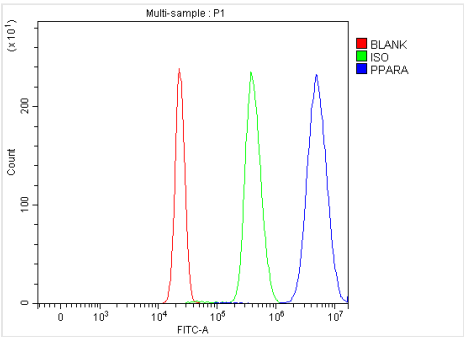
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126047	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

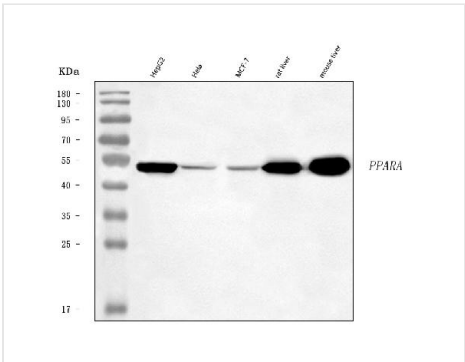
PPAR alpha/PPARA; Polyclonal Antibody; Anti-PPAR alpha/PPARA Antibody Picoband; anti-PPARA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-PPARA antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human PPAR alpha/PPARA recombinant protein (Position: M1-L426).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of HepG2 cells using anti-PPAR alpha/PPARA antibody (AAA126047).Overlay histogram showing HepG2 cells stained with AAA126047 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PPAR alpha/PPARA Antibody (AAA126047, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of PPAR alpha/PPARA using anti-PPAR alpha/PPARA antibody (AAA126047).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human HepG2 whole cell lysates,Lane 2: human Hela whole cell lysates,Lane 3: human MCF-7 whole cell lysates,Lane 4: rat liver tissue lysates,Lane 5: mouse liver tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PPAR alpha/PPARA antigen affinity purified polyclonal antibody (#AAA126047) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PPAR alpha/PPARA at approximately 52 kDa. The expected band size for PPAR alpha/PPARA is at 52 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PPARA antibody	Peroxisome proliferator-activated receptor alpha(PPAR-alpha), also known as NR1C1(nuclear receptor subfamily 1, group C, member 1), is a nuclear receptor protein that in humans is encoded by the PPARA gene. PPARA gene spans 83.7 kb and contains 8 exons. And the PPAR gene is mapped to chromosome 22q12-q13.1. Sher et al.(1993) cloned a cDNA for human peroxisome proliferator-activated receptor from a human liver cDNA library. The PPAR cDNA exhibited 85% and 91% DNA and deduced amino acid sequence identity, respectively, with mouse PPAR. PPAR-alpha is a transcription factor and a major regulator of lipid metabolism in the liver.
Product Categories/Family for anti-PPARA antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	50348666
NCBI GeneID	5465
NCBI Accession #	NP_001001928.1
NCBI GenBank Nucleotide #	NM_001001928.2
UniProt Accession #	Q07869; Q16241; Q6I9S0; Q92486; Q92689; Q9Y3N1
Molecular Weight	52,225 Da
NCBI Official Full Name	peroxisome proliferator-activated receptor alpha
NCBI Official Synonym Full Names	peroxisome proliferator-activated receptor alpha
NCBI Official Symbol	PPARA
NCBI Official Synonym Symbols	PPAR; NR1C1; hPPAR; PPARalpha
NCBI Protein Information	peroxisome proliferator-activated receptor alpha; PPAR-alpha; nuclear receptor subfamily 1 group C member 1; peroxisome proliferative activated receptor, alpha; peroxisome proliferator-activated nuclear receptor alpha variant 3

UniProt Protein Name	Peroxisome proliferator-activated receptor alpha
UniProt Gene Name	PPARA
UniProt Synonym Gene Names	NR1C1; PPAR; PPAR-alpha
UniProt Entry Name	PPARA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ppar-alpha-ppara-antibody-flow-cytometry-western-blot-elisa/126047>