

Mouse anti-Human, Mouse PPAR alpha Monoclonal Antibody | anti-PPARalpha antibody

Anti-PPAR alpha Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA266067	Mouse	Human, Mouse	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PPAR alpha; Monoclonal Antibody; Anti-PPAR alpha Antibody; anti-PPARalpha antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Specificity	Recognizes endogenous levels of PPAR alpha protein.
Purity/Purification	This antibody is purified through a protein G column.
Form/Format	Mouse IgG1 kappa. Liquid in PBS, pH7.3, 30% glycerol, and 0.01% sodium azide.
Applicable Applications for anti-PPARalpha antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human PPAR alpha. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



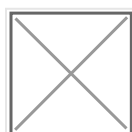
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Hela cells using Anti-PPAR alpha Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 °C for 60 min. The secondary antibody Goat Anti-Mouse IgG (H&L) - AF488 was incubated at 37 °C for 40 min. Isotype control antibody (blue line) was used under the same condition.



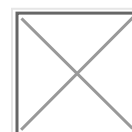
IF (Immunofluorescence)

Immunofluorescent analysis of PPAR alpha staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF555 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of PPAR alpha staining in human skeletal muscle formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of PPAR alpha expression in Hela (A), Jurkat (B), NIH3T3 (C) whole cell lysates. (Predicted band size: 52 kD; Observed band size: 52 kD)

ADDITIONAL INFORMATION

Related Product Information for anti-PPARalpha antibody	Mouse monoclonal antibody to PPAR alpha
Product Categories/Family for anti-PPARalpha antibody	Primary 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; P23204
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/monoclonal/ppar-alpha-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/266067>