

PPAR alpha Monoclonal Antibody (3B6/PPAR)

Product Details

Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Rabbit, Rat, Bovine, Mouse, Human
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	3B6/PPAR
Conjugate	Unconjugated
Immunogen	Purified recombinant PPAR alpha protein.
Form	Liquid
Concentration	1 mg/mL
Purification	purified
Storage buffer	PBS
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2165745

Applications	Tested Dilution	Publications
Western Blot (WB)	2-5 µg/mL	15 Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunocytochemistry (ICC/IF)	2 µg/mL	-
Flow Cytometry (Flow)	1 µg / 10 ⁶ cells	-
Immunoprecipitation (IP)	Assay-dependent	2 Publications
ChIP assay (ChIP)	Assay-dependent	1 Publication
Gel Shift (GS)	Assay-dependent	-

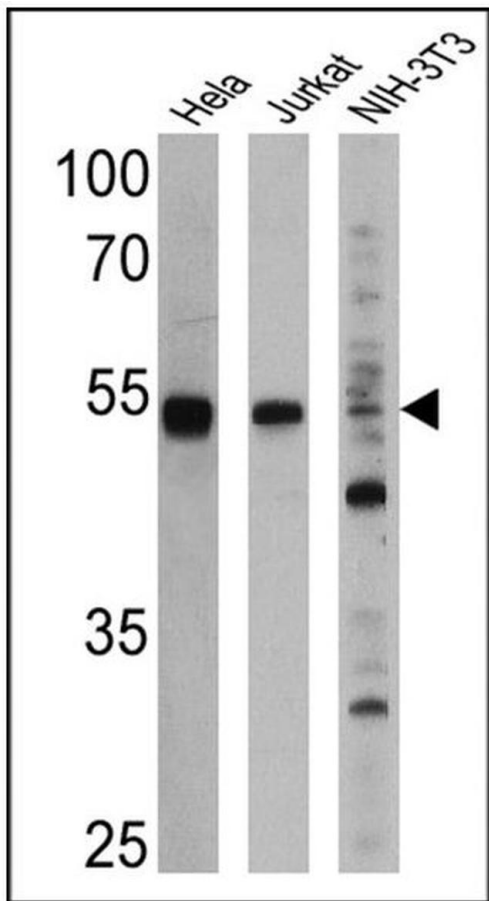
Product Specific Information

MA1-822 detects peroxisome proliferator activated receptors (PPAR) alpha from human, mouse, and rat tissues.

MA1-822 has been successfully used in Western blot, Gel Shift and immunoprecipitation procedures. By Western blot, this antibody detects a ~52 kDa protein which corresponds to PPAR alpha from mouse adipose tissue extract. This antibody detects some non-specific bands on NIH-3T3 cell lysates.

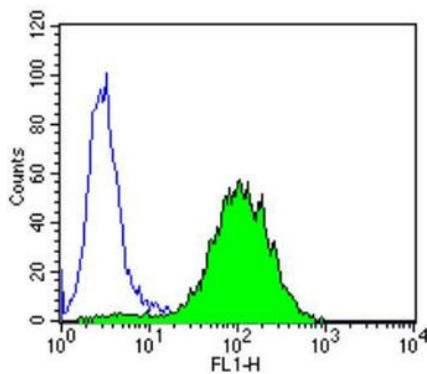
The MA1-822 immunogen is purified recombinant PPAR alpha protein.

Product Images For PPAR alpha Monoclonal Antibody (3B6/PPAR)



PPAR alpha Antibody (MA1-822) in WB

Western blot analysis of PPAR alpha was performed by loading 25 µg of HeLa (Lane 1), Jurkat (Lane 2), and NIH-3T3 cell lysates (Lane 3) and a molecular weight protein ladder onto an SDS polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked with a blocking buffer at 4°C overnight. The membrane was probed with a PPAR alpha monoclonal antibody (Product # MA1-822) at a dilution of 1:1000 (HeLa and Jurkat) and 1:500 (NIH-3T3) overnight at 4°C, washed in TBST, and probed with an HRP-conjugated secondary antibody for 1 hr at room temperature in the dark. Chemiluminescent detection was performed using Pierce ECL Plus Western Blotting Substrate (Product # 32132). Results show a band at 52 kDa in all three cell lines.



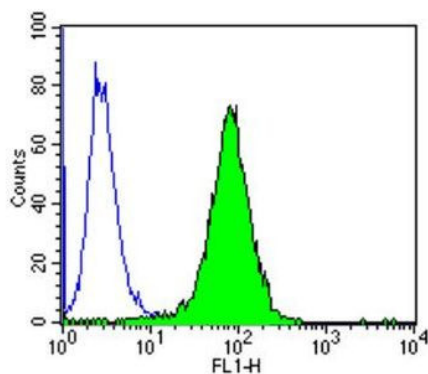
PPAR alpha Antibody (MA1-822) in Flow

Flow cytometry analysis of PPAR alpha in HeLa cells compared to an isotype control (blue). Cells were harvested, adjusted to a concentration of $1-5 \times 10^6$ cells/mL, fixed with 2% paraformaldehyde, washed with PBS, and incubated with PPAR alpha monoclonal antibody (Product # MA1-822) at a dilution of 0.25 µg/test for 60 min at room temperature. Cells were then blocked in a solution of 2% BSA-PBS for 30 min at room temperature, incubated for 40 min at room temperature in the dark using a Dylight 488-conjugated goat anti-mouse IgG (H+L) secondary antibody, and re-suspended in PBS for FACS analysis.

Cell: HeLa

Concentration: 0.25µg/test (100ul)

Theory location : Nucleus



Cell: Jurkat

Concentration: 0.25µg/test (100ul)

Theory location : Nucleus

PPAR alpha Antibody (MA1-822) in Flow

Flow cytometry analysis of PPAR alpha in Jurkat cells compared to an isotype control (blue). Cells were harvested, adjusted to a concentration of $1-5 \times 10^6$ cells/mL, fixed with 2% paraformaldehyde, washed with PBS, and incubated with PPAR alpha monoclonal antibody (Product # MA1-822) at a dilution of 0.25 µg/test for 60 min at room temperature. Cells were then blocked in a solution of 2% BSA-PBS for 30 min at room temperature, incubated for 40 min at room temperature in the dark using a Dylight 488-conjugated goat anti-mouse IgG (H+L) secondary antibody, and re-suspended in PBS for FACS analysis.

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Western Blot (15)

Life (Basel, Switzerland)	Year 2023
Diets Differently Regulate Pulmonary Pathogenesis and Immune Signaling in Mice during Acute and Chronic <i>Mycobacterium tuberculosis</i> Infection.	
"Published figure using PPAR alpha monoclonal antibody (Product # MA1-822) in Western Blot"	
Authors: Oswal N,Thangavel H,Lizardo K,Dhanyalayam D,Sidrat T,Salgame P,Nagajyothi JF	
Biomedicines	Year 2022
Modulatory Effects of Estradiol and Its Mixtures with Ligands of GPER and PPAR on MAPK and PI3K/Akt Signaling Pathways and Tumorigenic Factors in Mouse Testis Explants and Mouse Tumor Leydig Cells.	Species Mouse
"Published figure using PPAR alpha monoclonal antibody (Product # MA1-822) in Western Blot"	Dilution 1:500
Authors: Gorowska-Wojtowicz E,Duliban M,Kotula-Balak M,Bilinska B	

View more WB references on thermofisher.com

Immunohistochemistry (3)

Frontiers in physiology	Year 2022
Protective Effects of Bariatric Surgery on Kidney Functions by Inhibiting Oxidative Stress Responses Through Activating PPAR in Rats With Diabetes.	Species Rat
"Published figure using PPAR alpha monoclonal antibody (Product # MA1-822) in Immunohistochemistry"	
Authors: Jiang HW,Zhou Y,Zhou PY,Zhang TY,Hu JY,Bai XT	
Antioxidants (Basel, Switzerland)	Year 2021
Noise-Induced Cochlear Damage Involves PPAR Down-Regulation through the Interplay between Oxidative Stress and Inflammation.	Species Rat
"Published figure using PPAR alpha monoclonal antibody (Product # MA1-822) in Western Blot"	Dilution 1:1000
Authors: Paciello F,Pisani A,Rolesi R,Escarrat V,Galli J,Paludetti G,Grassi C,Troiani D,Fetoni AR	

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More applications with references on thermofisher.com

- IP (2)
- ChIP (1)

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