

Product Datasheet

PPAR alpha/NR1C1 Antibody (3B6/PPAR) - BSA Free NB300-537

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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NB300-537

PPAR alpha/NR1C1 Antibody (3B6/PPAR) - BSA Free

Product Information

Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3B6/PPAR
Preservative	0.05% Sodium Azide
Isotype	IgG2b
Purity	Immunogen affinity purified
Buffer	PBS

Product Description

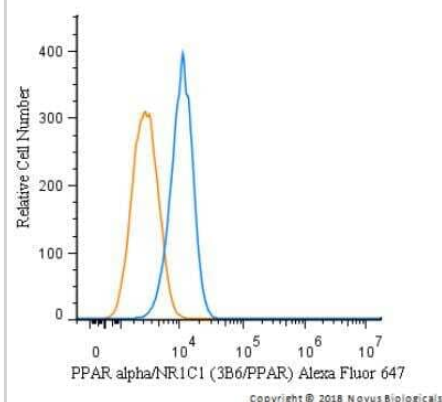
Host	Mouse
Gene ID	5465
Gene Symbol	PPARA
Species	Human, Mouse, Rat, Bovine, Rabbit
Specificity/Sensitivity	PPAR alpha (3B6/PPAR)
Immunogen	Purified recombinant PPAR alpha protein.

Product Application Details

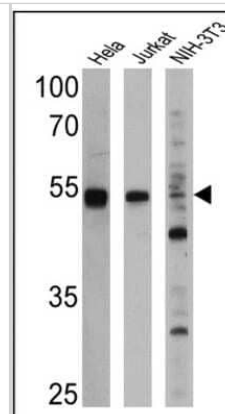
Applications	Western Blot, Flow Cytometry, Gel Super Shift Assays, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), Knockdown Validated
Recommended Dilutions	Western Blot 2 - 5 ug/ml, Flow Cytometry 1 ug / 10 ⁶ cells, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 2 ug/ml, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:200, Gel Super Shift Assays 1:1 - 1:100, Chromatin Immunoprecipitation (ChIP) 1:10-1:500, Knockdown Validated
Application Notes	May be useful in ChIP. Rabbit-IP reported in publication, see Sumanasekera WK et al. Rat-IHC reported in publication, see Crespillo A et al.

Images

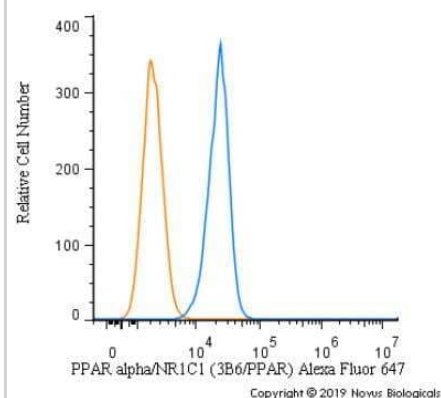
Flow Cytometry: PPAR alpha/NR1C1 Antibody (3B6/PPAR) [NB300-537] - An intracellular stain was performed on U-87 cells with PPAR alpha/NR1C1 Antibody [3B6/PPAR] NB300-537AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



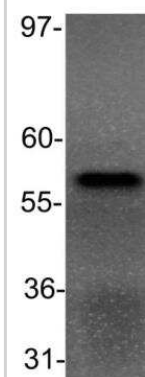
Western Blot: PPAR alpha/NR1C1 Antibody (3B6/PPAR) [NB300-537] - Analysis of 25 ug of Hela (Lane 1), Jurkat (Lane 2), and NIH-3T3 cell lysates (Lane 3) and a molecular weight protein ladder.



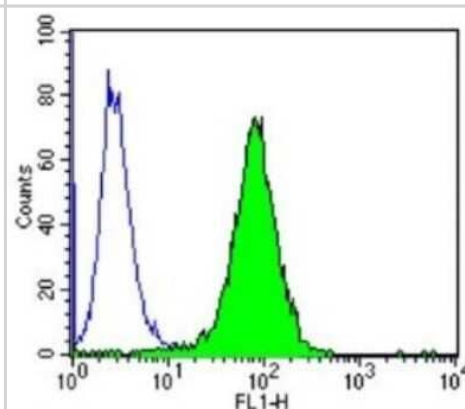
Flow Cytometry: PPAR alpha/NR1C1 Antibody (3B6/PPAR) [NB300-537] - An intracellular stain was performed on Hek293 cells with PPAR alpha/NR1C1 [3B6/PPAR] Antibody NB300-537AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



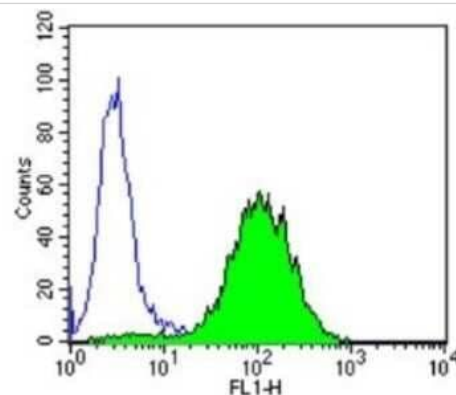
Western Blot: PPAR alpha/NR1C1 Antibody (3B6/PPAR) [NB300-537] - 293T cell lysate. Image from verified customer review.



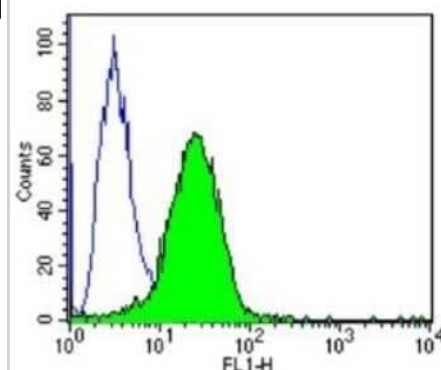
Flow Cytometry: PPAR alpha/NR1C1 Antibody (3B6/PPAR) [NB300-537] - Analysis of PPAR alpha in Jurkat cells compared to an isotype control (blue).



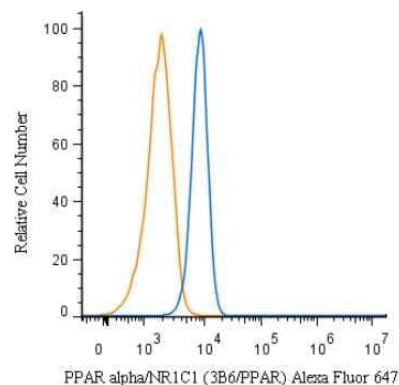
Flow Cytometry: PPAR alpha/NR1C1 Antibody (3B6/PPAR) [NB300-537]
- Analysis of PPAR alpha in Hela cells compared to an isotype control (blue).



Flow Cytometry: PPAR alpha/NR1C1 Antibody (3B6/PPAR) [NB300-537]
- Analysis of PPAR alpha in 3T3 cells compared to an isotype control (blue).

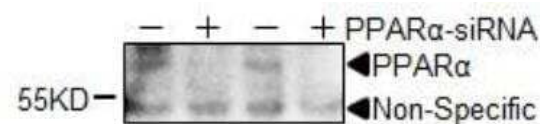


Flow Cytometry: PPAR alpha/NR1C1 Antibody (3B6/PPAR) [NB300-537]
- An intracellular stain was performed on Jurkat cells with PPAR alpha/NR1C1 Antibody (3B6/PPAR) NB300-537AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



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Knockdown Validated: PPAR alpha/NR1C1 Antibody (3B6/PPAR) - BSA Free [NB300-537] - PPAR alpha/NR1C1 was knocked down with siRNA in primary cultured rat cardiomyocytes. Image from verified customer review.



Publications

Zhang F, Liu L, Xie Y et al. Cardiac contractility modulation ameliorates myocardial metabolic remodeling in a rabbit model of chronic heart failure through activation of AMPK and PPAR- γ pathway Open Med (Wars) 2022-02-22 [PMID: 35799598] (Western Blot)

Liu B, Jie X, Deng J et al. Bupi Yishen formula may prevent kidney fibrosis by modulating fatty acid metabolism in renal tubules Phytomedicine : international journal of phytotherapy and phytopharmacology 2023-03-16 [PMID: 37001297] (IHC-P, Human, Rat)

Abou-Rjeileh U, Dos Santos Neto JM, Chirivi M et al. Oleic acid abomasal infusion limits lipolysis and improves insulin sensitivity in adipose tissue from periparturient dairy cows Journal of dairy science 2023-04-25 [PMID: 37105874] (Simple Western, Bovine)

Details:
Dilutions 1:50

Chun-yang H, Shin-ichi O, Xiaoyong X et al. PERM1 regulates genes involved in fatty acid metabolism in the heart by interacting with PPAR α and PGC-1 α Scientific Reports 2022-08-26 [PMID: 36028747] (WB, Rat)

Cao H, Wen G et al. Role of peroxisome proliferator-activated receptor alpha in atherosclerosis. Mol Med Rep 2014-01-05 [PMID: 24604149] (IF/IHC, Rabbit)

Yang Q, Sun S, Liu W et al. Hypoxia training improves hepatic steatosis partly by downregulation of CB1 receptor in obese mice Biochemical and Biophysical Research Communications 2020-02-01 [PMID: 32122652] (WB, Mouse)

Kumar S, Rani R, Karns R, Gandhi CR. Augmenter of liver regeneration protein deficiency promotes hepatic steatosis by inducing oxidative stress and microRNA-540 expression FASEB J. 2018-12-12 [PMID: 30540918] (IHC-P, Mouse)

Li L, He M, Xiao H et al. Acetic Acid Influences BRL-3A Cell Lipid Metabolism via the AMPK Signalling Pathway. Cell Physiol Biochem 2018-03-06 [PMID: 29529605] (WB, Rat)

Sun Q, Zhang W, Zhong W et al. Pharmacological inhibition of NOX4 ameliorates alcohol-induced liver injury in mice through improving oxidative stress and mitochondrial function. Biochim Biophys Acta 2016-09-12 [PMID: 27634671] (WB, Mouse)

Rotondi S, Modarelli A, Oliva MA et al. Expression of Peroxisome Proliferator-Activated Receptor alpha (PPARalpha) in somatotropinomas: Relationship with Aryl hydrocarbon receptor Interacting Protein (AIP) and in vitro effects of fenofibrate in GH3 cells. Mol. Cell. Endocrinol. 2016-02-10 [PMID: 26872613] (WB, Rat)

Tatone C, Benedetti E, Vitti M et al. Modulating Intrafollicular Hormonal Milieu in Controlled Ovarian Stimulation: Insights From PPAR Expression in Human Granulosa Cells. J. Cell. Physiol. 2015-09-02 [PMID: 26332656] (WB, Human)

Gao W, Xu W, Li H. The expression and role of peroxisome proliferator-activated receptor alpha in atherosclerosis. Mol Med Rep 2013-03-01 [PMID: 23337913] (Rabbit)

More publications at <http://www.novusbio.com/NB300-537>





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Products Related to NB300-537

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
H00005465-P01-10ug	Recombinant Human PPAR alpha/NR1C1 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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