

Product Datasheet

PPAR gamma/NR1C3 Antibody - BSA Free NB120-19481

Unit Size: 1 ml

Store at 4C. Do not freeze.

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NB120-19481

PPAR gamma/NR1C3 Antibody - BSA Free

Product Information	
Unit Size	1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS with 0.2% gelatin

Product Description	
Description	Novus Biologicals Rabbit PPAR gamma/NR1C3 Antibody - BSA Free (NB120-19481) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PPAR gamma/NR1C3 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5468
Gene Symbol	PPARG
Species	Human, Mouse, Rat, Porcine, Bovine, Canine, Chicken, Hamster
Specificity/Sensitivity	Will recognize both PPARgamma1 and PPARgamma2
Immunogen	Synthetic peptide corresponding to the C terminus of human PPAR gamma.

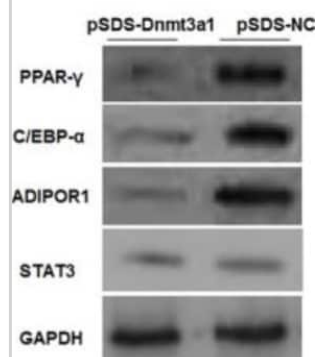
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1:400, Immunohistochemistry 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:200
Application Notes	IHC-P reactivity reported in (PMID: 25187315).



Images

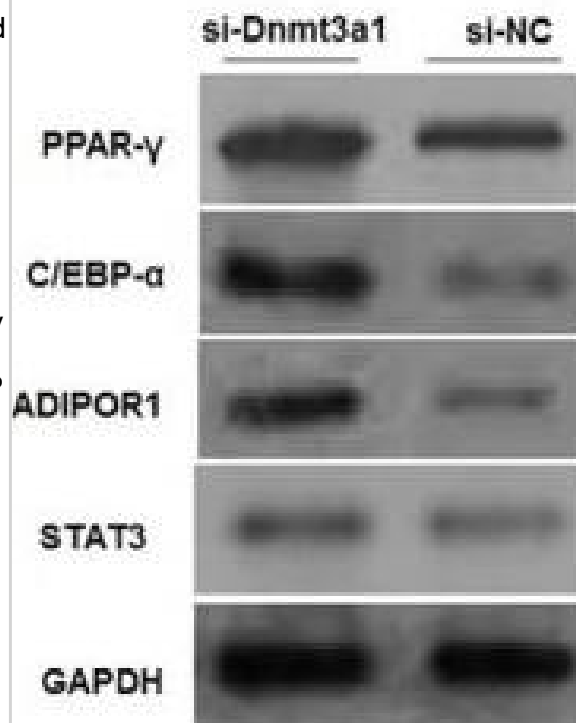
Western Blot: PPAR gamma/NR1C3 Antibody [NB120-19481] - Dnmt3a1 decreases lipid droplet accumulation in the early stage of adipocyte differentiation. Relative mRNA level of some general genes involved in adipogenesis or energy homeostasis after transfection with si-Dnmt3a1 and si-NC into cells for 48 h. Values represent mean \pm SEM from four separate experiments. *P less than 0.05, **P less than 0.01, and ***P less than 0.001. Image collected and cropped by CiteAb from the following publication (<http://www.frontiersin.org/article/10.3389/fphys.2018.01270/full>) licensed under a CC-BY license.

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Western Blot: PPAR gamma/NR1C3 Antibody [NB120-19481] - Dnmt3a1 decreases lipid droplet accumulation in the early stage of adipocyte differentiation. (A) Representative images of oil red O staining (red) & DAPI staining (blue) after transfection with pSDS-Dnmt3a1 & pSDS-NC for 48 h are showed; scale bar: 25 μ m. (B) Lipid droplet content by oil red O staining & extraction method of cells transfected with pSDS-Dnmt3a1 & pSDS-NC for 48 h. Values represent mean \pm SEM from three independent experiments. $\square\square$ P < 0.01. (C) Representative images of oil red O staining (red) & DAPI staining (blue) after transfection with si-Dnmt3a1 & si-NC for 48 h are showed; scale bar: 25 μ m. (D) Lipid droplet content by oil red O staining & the extraction method of cells transfected with si-Dnmt3a1 & si-NC for 48 h. Values represent mean \pm SEM from three independent experiments. \square P < 0.05. (E) Relative mRNA level of some general genes implicated in adipogenesis or energy homeostasis induced by pSDS-Dnmt3a1 & pSDS-NC into cells. Values represent mean \pm SEM from four separate experiments. \square P < 0.05, $\square\square$ P < 0.01, & $\square\square\square$ P < 0.001. (F) Protein expression of some general adipose genes induced by pSDS-Dnmt3a1 & pSDS-NC into cells. (G) Relative mRNA level of some general genes involved in adipogenesis or energy homeostasis after transfection with si-Dnmt3a1 & si-NC into cells for 48 h. Values represent mean \pm SEM from four separate experiments. \square P < 0.05, $\square\square$ P < 0.01, & $\square\square\square$ P < 0.001. (H) Protein expression of some general genes involved in adipogenesis at 48 h after transfection by si-Dnmt3a1 & si-NC into cells. The band intensity of Western blotting was obtained by averaging the data from three independent experiments. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30333755>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

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Publications

- Di Donfrancesco A, Berlingieri C, Giacomello M et al. PPAR-gamma agonist pioglitazone recovers mitochondrial quality control in fibroblasts from PITRM1-deficient patients *Frontiers in Pharmacology* 2023-07-26 [PMID: 37576821] (Western Blot, Rat)
- El-Beheiry KM, El-Sayed El-Sayad M, El-Masry TA, Elsis AE Combination of metformin and hesperidin mitigates cyclophosphamide-induced hepatotoxicity. Emerging role of PPAR- γ /Nrf-2/NF- κ B signaling pathway *International immunopharmacology* 2023-02-20 [PMID: 36812672] (IHC-P, Rat)
- Losano JDA, Daigneault BW Pharmacological perturbation of peroxisome-proliferator-activated receptor gamma alters motility and mitochondrial function of bovine sperm *Andrology* 2022-10-05 [PMID: 36198578] (WB)
- Lewis RG Isoforms, Clocks, and Acetylcholine: Regulation of Cocaine's Effects by Dopamine D2 Receptors Thesis 2022-01-01 (IF/IHC, ICC/IF, Mouse)
- Brami-Cherrier, K, Lewis, R G Et al. Cocaine-mediated circadian reprogramming in the striatum through dopamine D2R and PPAR gamma activation. *Nat Commun* 2020-09-07 [PMID: 32895370] (WB, Human)
- Abdalla BA, Chen X, Li K et al. Control of preadipocyte proliferation, apoptosis and early adipogenesis by the forkhead transcription factor FoxO6 *Life sciences* 2020-12-05 [PMID: 33290791] (WB, Chicken)
- Wei C, Tan X, Liu G et Al. beta-carotene as a dietary factor affecting expression of genes connected with carotenoid, vitamin A and lipid metabolism in the subcutaneous and omental adipose tissue of beef cattle *J. Anim. Feed Sci.* 2020 -03-31 (Bovine)
- Abdalla BA, Li Z, Ouyang H et al. A Novel Dnmt3a1 Transcript Inhibits Adipogenesis. *Front Physiol.* 2018-10-02 [PMID: 30333755] (WB, Chicken)
- Sziksz E, Molnar K, Lippai R et al. Peroxisome proliferator-activated receptor- γ and thymic stromal lymphopoietin are involved in the pathophysiology of childhood coeliac disease. *Virchows Arch.* 2014-09-04 [PMID: 25187315] (IHC-P, Human)
- Mattace Raso G, Simeoli R, Russo R et al. Effects of Sodium Butyrate and Its Synthetic Amide Derivative on Liver Inflammation and Glucose Tolerance in an Animal Model of Steatosis Induced by High Fat Diet. *PLoS One* 2013-07-05 [PMID: 23861927] (WB, Rat)



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Products Related to NB120-19481

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

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