

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 |

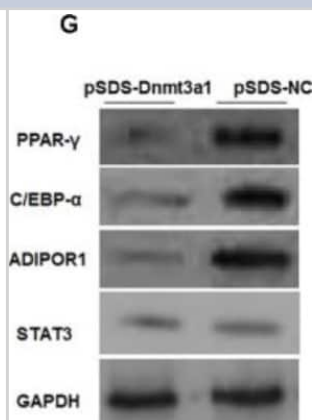
| Product Description | |
|-------------------------|--|
| Host | Rabbit |
| Gene ID | 5468 |
| Gene Symbol | PPARG |
| Species | Human, Mouse, Rat, Porcine, Bovine, Canine, Chicken, Hamster |
| Specificity/Sensitivity | Will recognize both PPARgamma1 and PPARgamma2 |
| Immunogen | Synthetic peptide corresponding to the C terminus of human PPAR gamma. |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin |
| 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). |

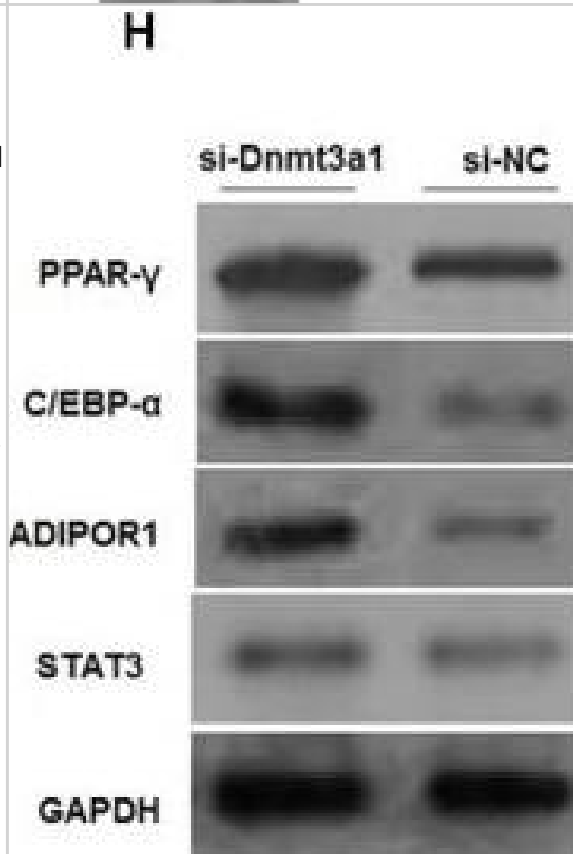


Images

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.



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.



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]
- 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

| | |
|---------------|---|
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| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |
| NBP2-22106PEP | PPAR gamma/NR1C3 Antibody Blocking Peptide |

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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