

Product Datasheet

FXR/NR1H4 Antibody - Azide Free NBP2-16550

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-16550

FXR/NR1H4 Antibody - Azide Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 1% BSA, 20% Glycerol
Target Molecular Weight	56 kDa

Product Description

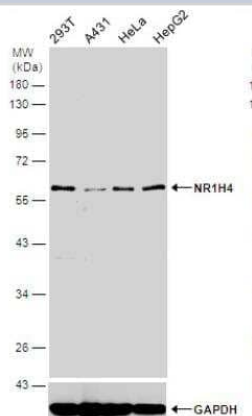
Host	Rabbit
Gene ID	9971
Gene Symbol	NR1H4
Species	Human, Mouse, Rat
Immunogen	Recombinant protein encompassing a sequence within the center region of human FXR/NR1H4. The exact sequence is proprietary.

Product Application Details

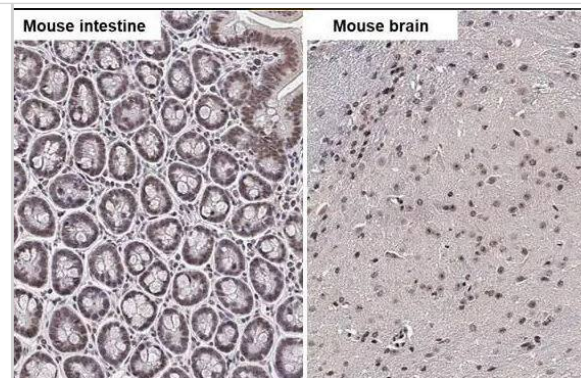
Applications	Western Blot, Simple Western, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:3000, Simple Western Reactivity reported in (PMID: 32189432), Immunohistochemistry Assay dependent, Immunohistochemistry-Paraffin Assay dependent

Images

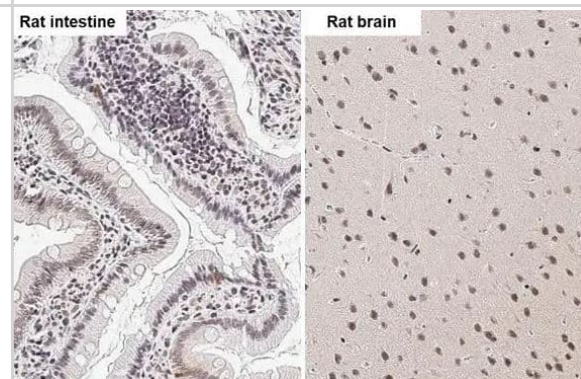
Western Blot: FXR/NR1H4 Antibody [NBP2-16550] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with NR1H4 antibody.



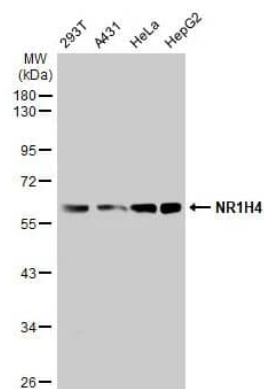
Immunohistochemistry-Paraffin-NBP2-16550-FXR/NR1H4 Antibody-Mouse tissues. NR1H4 stained by NR1H4 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



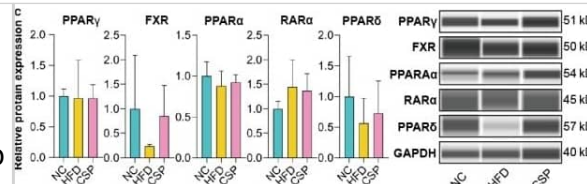
Immunohistochemistry-Paraffin-NBP2-16550-FXR/NR1H4 Antibody-Rat tissues. NR1H4 stained by NR1H4 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Western Blot: FXR/NR1H4 Antibody [NBP2-16550] -Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with NR1H4 antibody diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



Western Blot: FXR/NR1H4 Antibody [NBP2-16550] - Biochemical measurements & the mRNA & protein expression of top 5 NRs. A, Results of biochemical parameter measurements. Among the serum indicators, ALT in HFD group higher than it in NC group ($P = .0004$) & CSP group ($P = .0222$); the AST in HFD group higher than it in NC group ($P = .0006$) & CSP group ($P = .0149$); ALP in HFD group higher than it in NC group ($P < .0001$) & CSP group ($P = .0013$), & it lower in NC group than in CSP group ($P = .0017$); in HFD group, the TC level higher than it in NC group ($P < .0001$) & CSP group ($P = .0003$), & in NC group, it lower than it in CSP group ($P < .0001$); in HFD group, the TG level higher than it in NC group ($P = .0011$) & CSP group ($P = .0476$); in HFD group, the GLU level higher than it in NC group ($P < .0001$) & CSP group ($P = .0002$); & in HFD group, the HDL \square c level higher than it in NC group ($P < .0001$) & CSP group ($P = .0022$), & in NC group, it lower than it in CSP group ($P < .0001$) ($n = 10$). Among the liver indicators, in NC group, the TC level lower than it in HFD group ($P = .0276$) & CSP group ($P = .0427$); in NC group, the TG level lower than it in HFD group ($P = .0427$) & CSP group ($P = .0448$) ($n = 6$). B, The mRNA expression of top 5 NRs in liver. PPAR γ in HFD group expressed at a higher level than it in NC group ($P = .0072$) & CSP group ($P = .0489$); FXR in HFD group expressed at a lower level than it in NC group ($P = .0222$) & CSP group ($P = .0331$); PPAR α in HFD group expressed lower than NC group ($P = .0143$) & CSP group ($P = .0082$); & RAR α in HFD group expressed at a higher level than it in NC group ($P = .0001$) & CSP group ($P = .0012$) ($n = 10$). C, Expression of top 5 NRs in liver measured by automatic WB analysis Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32189432>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Xue C, Zeng P, Gong K et Al. Nogo-B inhibition facilitates cholesterol metabolism to reduce hypercholesterolemia Cell Rep 2024-09-03 [PMID: 39235944]

Jinjing Chen, Ruoyu Wang, Feng Xiong, Hao Sun, Byron Kemper, Wenbo Li, Jongsook Kemper, Pramod K Mistry, Pramod K Mistry Hammerhead-type FXR agonists induce an enhancer RNA Fincor that ameliorates nonalcoholic steatohepatitis in mice eLife 2024-04-15 [PMID: 38619504]

Wang X, Yang Y, Chen Y et al. MEK1/2 inhibitors induce class I alcohol dehydrogenase (ADH1) expression by regulating farnesoid X receptor in hepatic cell lines and C57BL/6J mouse Molecular biology reports 2022-03-25 [PMID: 35338439]

Nie H, Deng Y, Zheng C et Al. A network pharmacology-based approach to explore the effects of Chaihu Shugan powder on a non-alcoholic fatty liver rat model through nuclear receptors J. Cell. Mol. Med. 2020-03-18 [PMID: 32189432] (Simple Western, Rat)

Zhao Q, Liu F, Cheng Y et al. Celastrol protects from cholestatic liver injury though modulation of SIRT1-FXR signaling. Mol. Cell Proteomics 2019-01-07 [PMID: 30617157] (WB, Mouse)

Lian F, Wang Y, Xiao Y et al. Activated farnesoid X receptor attenuates apoptosis and liver injury in autoimmune hepatitis. Mol Med Rep 2015-10-01 [PMID: 26238153] (WB)



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Products Related to NBP2-16550

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB400-153PEP	FXR/NR1H4 Antibody Blocking Peptide

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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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