

Product Datasheet

LXR Antibody NB400-157SS

Unit Size: 0.025 ml

Store at 4C. Do not freeze.

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Publications: 7

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NB400-157SS

LXR Antibody

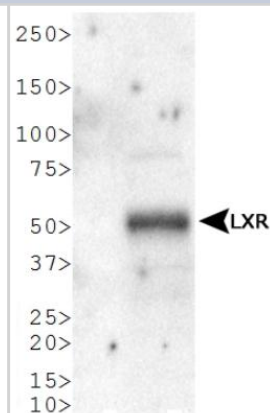
Product Information	
Unit Size	0.025 ml
Concentration	1.04 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Immunogen affinity purified
Buffer	Tris-glycine, 150 mM NaCl

Product Description	
Host	Rabbit
Gene ID	10062
Gene Symbol	NR1H3
Species	Human, Mouse, Primate, Porcine
Species Reactivity	Human, mouse, porcine and monkey. Immunogen sequence has 92% identity to rat and 90% identity to chicken.
Immunogen	A synthetic peptide made to an internal portion of the human LXR protein sequence (between residues 50-150). [UniProt# Q13133]

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 0.5-2 ug/ml
Application Notes	This LXR antibody is useful for Western blot, where a band is observed at ~50 kDa.

Images

Western Blot: LXR Antibody [NB400-157] - WB detection of LXR in human liver.



Publications

Qiu G, Hill JS Atorvastatin inhibits ABCA1 expression and cholesterol efflux in THP-1 macrophages by an LXR-dependent pathway. *J Cardiovasc Pharmacol* 2008 Apr [PMID: 18427282]

Yoon HS, Ju JH, Lee JE et al. The probiotic *Lactobacillus rhamnosus* BFE5264 and *Lactobacillus plantarum* NR74 promote cholesterol efflux and suppress inflammation in THP-1 cells *J Sci Food Agric* 2013 Mar 15 [PMID: 22806829] (WB, Human)

Yoon HS, Ju JH, Kim HN et al. Reduction in cholesterol absorption in Caco-2 cells through the down-regulation of Niemann-Pick C1-like 1 by the putative probiotic strains *Lactobacillus rhamnosus* BFE5264 and *Lactobacillus plantarum* NR74 from fermented foods *Int J Food Sci Nutr* 2012 Jul 20 [PMID: 22816655] (WB, Human)

Qiu, G et al. Atorvastatin decreases lipoprotein lipase and endothelial lipase expression in human THP-1 macrophages. *J Lipid Res*;48(10):2112-22. 2007 Oct. [PMID: 17644777] (WB, Human)

Zhang, C et al. NO-1886 upregulates ATP binding cassette transporter A1 and inhibits diet-induced atherosclerosis in Chinese Bama minipigs. *J Lipid Res*;47(9):2055-63. 2006 Sep. [PMID: 16807312] (WB, Porcine)

Dang H et al. Suppression of 2,3-oxidosqualene cyclase by high fat diet contributes to liver X receptor-alpha-mediated improvement of hepatic lipid profile. *J Biol Chem*;284(10):6218-26. 2009 Mar 6. [PMID: 19119143] (WB, Human, Mouse)

Zhang, C et al. Effects of NO-1886 on inflammation-associated cytokines in high-fat/high-sucrose/high-cholesterol diet-fed miniature pigs. *Eur J Pharmacol*;540(1-3):139-46. 2006 Jul 1. [PMID: 16730700] (WB, Porcine)



Procedures

Protocol specific for LXR-alpha Antibody (NB400-157)

Western Blot Protocol

1. Perform SDS-PAGE (4-12%) on samples to be analyzed, loading 50 ug of total protein per lane.
2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
3. Rinse membrane with dH₂O and then stain the blot using ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
4. Rinse the blot in TBS for approximately 5 minutes.
5. Block the membrane using 5% non-fat dry milk + 1% BSA in TBS for 2 hours at room temperature.
6. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
7. Dilute the rabbit anti-LXR primary antibody (NB 400-157) in blocking buffer and incubate 30 minutes at room temperature on nutator and then overnight at 4 degrees Celsius.
8. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
9. Apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturer's instructions) and incubate 1 hour at room temperature.
10. Wash the blot in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturer's instructions (Pierce's ECL).

Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





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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.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

