

## Anti-LXR alpha/NR1H3 Antibody Picoband®

Catalog Number: PA1246-1

### About NR1H3

LXRA is a tissue-specific cofactor that permits RXRA to function as a potent 9cRA receptor with a distinct target gene specificity. It specifically interacts with RXRA in vivo to form a functional heterodimer in which RXRA is the ligand-binding subunit. Additionally, LXR activity is critical for physiologic lipid metabolism and transport. LXRs are endogenous inhibitors of atherogenesis and are targets for therapeutic intervention in cardiovascular disease. Furthermore, LXRs and their ligands are negative regulators of macrophage inflammatory gene expression. LXR is also found that as a transcriptional switch that integrates hepatic glucose metabolism and fatty acid synthesis. The LXR-IDOL-LDLR axis defines a complementary pathway to sterol response element-binding proteins for sterol regulation of cholesterol uptake.

### Overview

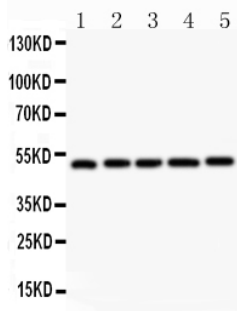
Product Name	Anti-LXR alpha/NR1H3 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-LXR alpha/NR1H3 Antibody catalog # PA1246-1. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q13133

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human LXR alpha, identical to the related rat and mouse sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

## Anti-LXR alpha/NR1H3 Antibody Picoband® (PA1246-1) Images



Anti-NR1H3 antibody, PA1246-1, Western blotting  
All lanes:  
Anti NR1H3 (PA1246-1) at 0.5ug/ml  
Lane 1: Rat Liver Tissue Lysate at 50ug  
Lane 2: Rat Lung Tissue Lysate at 50ug  
Lane 3: Rat Spleen Tissue Lysate at 50ug  
Lane 4: Rat Kidney Tissue Lysate at 50ug  
Lane 5: Human Placenta Tissue Lysate at 50ug  
Predicted bind size: 51KD  
Observed bind size: 51KD

## 1 Publications Citing This Product

1. PubMed ID: 25334019, Shang W, Yu X, Wang H, Chen T, Fang Y, Yang X, Zhou P, Nie F, Zhou Q, Zhou J. Mol Med Rep. 2015 Jan;11(1):503-8. Doi: 10.3892/Mmr.2014.2731. Epub 2014 Oct 21. Fibroblast Growth Factor 21 Enhances Cholesterol Efflux In Thp-1 Macrophage-Derived Foam...

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