

Datasheet for ABIN3043579

## anti-NR5A2 + LRH1 antibody (AA 44-237)



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### Overview

Quantity:	100 µg
Target:	NR5A2 + LRH1 (NR5A2)
Binding Specificity:	AA 44-237
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NR5A2 + LRH1 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Purpose:	Anti-NR5A2/LRH1 Antibody Picoband®
Immunogen:	E.coli-derived human NR5A2 recombinant protein (Position: K44-R237). Human NR5A2 shares 95% amino acid (aa) sequence identity with both mouse and rat NR5A2.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-NR5A2/LRH1 Antibody Picoband® (ABIN3043579). Tested in WB applications. This antibody reacts with Human. 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.
Purification:	Immunogen affinity purified.

## Target Details

Target:	NR5A2 + LRH1 (NR5A2)
Alternative Name:	NR5A2 ( <a href="#">NR5A2 Products</a> )
Background:	<p>Synonyms: Nuclear receptor subfamily 5 group A member 2,Alpha-1-fetoprotein transcription factor,B1-binding factor,hB1F,CYP7A promoter-binding factor,Hepatocytic transcription factor,Liver receptor homolog 1,LRH-1,NR5A2,B1F, CPF, FTF,</p> <p>Tissue Specificity: Abundantly expressed in pancreas, less in liver, very low levels in heart and lung. Expressed in the Hep-G2 cell line. Isoform 1 and isoform 2 seem to be present in fetal and adult liver and Hep-G2 cells.</p> <p>Background: NR5A2 (nuclear receptor subfamily 5, group A, member 2) also known as liver receptor homolog-1 (LRH-1) is a protein that in humans is encoded by the NR5A2 gene. LRH-1 is a member of the nuclear receptor family of intracellulartranscription factors. LRH-1 plays a critical role in the regulation of development,cholesterol transport, bile acid homeostasis andsteroidogenesis. LRH-1 is important for maintaining pluripotence of stem cells during embryonic development. Liver receptor homolog-1 has been shown to interact with the small heterodimer partner.</p> <p>Sequence Similarities: Belongs to the nuclear hormone receptor family. NR5 subfamily.</p>
Molecular Weight:	61 kDa
Gene ID:	2494
UniProt:	<a href="#">O00482</a>
Pathways:	<a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a>

## Application Details

Application Notes:	<p>Western blot, 0.1-0.5 µg/mL, Human</p> <p>1. Goodwin, B., Jones, S. A., Price, R. R., Watson, M. A., McKee, D. D., Moore, L. B., Galardi, C., Wilson, J. G., Lewis, M. C., Roth, M. E., Maloney, P. R., Willson, T. M., Kliewer, S. A. A regulatory cascade of the nuclear receptors FXR, SHP-1, and LRH-1 represses bile acid biosynthesis. Molec. Cell 6: 517-526, 2000. 2. Gu, P., Goodwin, B., Chung, A. C. -K., Xu, X., Wheeler, D. A., Price, R. R., Galardi, C., Peng, L., Latour, A. M., Koller, B. H., Gossen, J., Kliewer, S. A., Cooney, A. J. (2005). "Orphan Nuclear Receptor LRH-1 is Required to Maintain Oct4 Expression at the Epiblast Stage of Embryonic Development". Molecular and Cellular Biology 25(9): 3492-3505.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

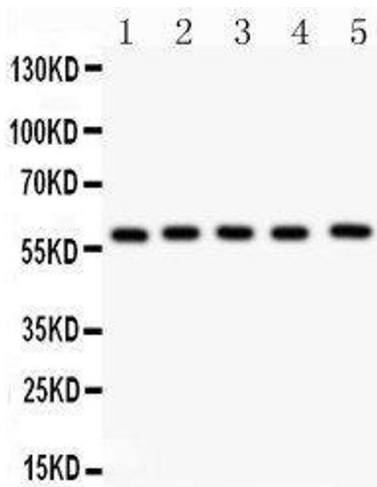
## Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	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.

## Publications

Product cited in:	Zhao, Wen, Zheng, Sun, Sun, Ni: "Action mechanism of Zuo Gui Yin Decoction's promotion on estradiol production in rats during the peri-menopausal period." in: <b>Journal of ethnopharmacology</b> , Vol. 134, Issue 1, pp. 122-9, (2011) ( <a href="#">PubMed</a> ).
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## Images



Western Blotting

Image 1.