

Anti-NR5A2/LRH1 Antibody Picoband®

Catalog Number: PB9298

About NR5A2

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 intracellular transcription factors. LRH-1 plays a critical role in the regulation of development, cholesterol transport, bile acid homeostasis and steroidogenesis. LRH-1 is important for maintaining pluripotency of stem cells during embryonic development. Liver receptor homolog-1 has been shown to interact with the small heterodimer partner.

Overview

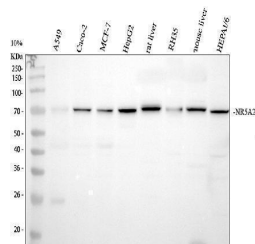
Product Name	Anti-NR5A2/LRH1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NR5A2/LRH1 Antibody Picoband® catalog # PB9298. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees 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 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
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	O00482

Technical Details

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.
Recommended Detection Systems	Boster recommends ECL Plus Western Blotting Substrate (Catalog # AR1196-200) 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, Mouse, Rat

Anti-NR5A2/LRH1 Antibody Picoband® (PB9298) Images



Western blot analysis of NR5A2 using anti-NR5A2 antibody (PB9298). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human A549 whole cell lysates, Lane 2: human CACO-2 whole cell lysates, Lane 3: human MCF-7 whole cell lysates, Lane 4: human HepG2 whole cell lysates, Lane 5: rat liver tissue lysates, Lane 6: rat RH35 whole cell lysates, Lane 7: mouse liver tissue lysates, Lane 8: mouse HEPA1-6 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NR5A2 antigen affinity purified polyclonal antibody (PB9298) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054) at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for NR5A2 at approximately 70 kDa. The expected band size for NR5A2 is at 61 kDa.

1 Publications Citing This Product

1. PubMed ID: 21134435, Zhao W, Wen Hx, Zheng Hl, Sun Sx, Sun Dj, Ni J. J Ethnopharmacol. 2011 Mar 8;134(1):122-9. Doi: 10.1016/J.Jep.2010.11.073. Epub 2010 Dec 4. Action Mechanism Of Zuo Gui Yin Decoction'S Promotion On Estradiol Production In Rats During The Peri-Menop...

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Anti-NR5A2/LRH1 Antibody

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