

NR5A2 / LRH1 Antibody (internal region)

Peptide-affinity purified goat antibody Catalog # AF4048a

Specification

NR5A2 / LRH1 Antibody (internal region) - Product Information

Application WB
Primary Accession 000482

Other Accession NP_995582.1, NP_003813.1, 2494, 26424

(mouse), 60349 (rat)

Reactivity Human

Predicted Mouse, Rat, Pig, Dog, Cow

Host Goat
Clonality Polyclonal
Concentration 0.5 mg/ml
Isotype IgG
Calculated MW 61331

NR5A2 / LRH1 Antibody (internal region) - Additional Information

Gene ID 2494

Other Names

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

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NR5A2 / LRH1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

NR5A2 / LRH1 Antibody (internal region) - Protein Information

Name NR5A2

Synonyms B1F, CPF, FTF

Function

Nuclear receptor that acts as a key metabolic sensor by regulating the expression of genes involved in bile acid synthesis, cholesterol homeostasis and triglyceride synthesis. Together with



the oxysterol receptors NR1H3/LXR-alpha and NR1H2/LXR-beta, acts as an essential transcriptional regulator of lipid metabolism. Plays an anti- inflammatory role during the hepatic acute phase response by acting as a corepressor: inhibits the hepatic acute phase response by preventing dissociation of the N-Cor corepressor complex (PubMed:20159957). May be responsible for the liver-specific activity of enhancer II, probably in combination with other hepatocyte transcription factors. Key regulator of cholesterol 7-alpha-hydroxylase gene (CYP7A) expression in liver. May also contribute to the regulation of pancreas-specific genes and play important roles in embryonic development. Activates the transcription of CYP2C38 (By similarity).

Cellular Location

Nucleus.

Tissue Location

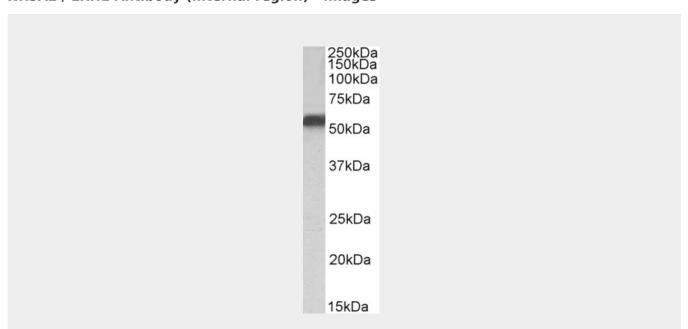
Abundantly expressed in pancreas, less in liver, very low levels in heart and lung. Expressed in the Hep-G2 cell line Isoform 1 and isoform 2 seem to be present in fetal and adult liver and Hep-G2 cells

NR5A2 / LRH1 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

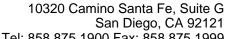
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NR5A2 / LRH1 Antibody (internal region) - Images



AF4048a (1 μ g/ml) staining of HepG2 nuclear lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

NR5A2 / LRH1 Antibody (internal region) - Background







This antibody is expected to recognize both reported isoforms (NP_995582.1; NP_003813.1).

NR5A2 / LRH1 Antibody (internal region) - References

Structural basis of coactivation of liver receptor homolog-1 by ?-catenin. Yumoto F, Nguyen P, Sablin EP, Baxter JD, Webb P, Fletterick RJ. Proc Natl Acad Sci U S A. 2012 Jan 3;109(1):143-8. PMID: 22187462