

**NR5A2 / LRH-1 Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10549****Specification**

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**NR5A2 / LRH-1 Antibody (C-Terminus) - Product Information**

|                   |   |
|-------------------|---|
| Application       | IHC   |
| Primary Accession | <a href="#">O00482</a>                        |
| Reactivity        | Human, Monkey, Pig, Sheep, Horse, Bovine, Dog |
| Host              | Rabbit  |
| Clonality         | Polyclonal                                    |
| Calculated MW     | 61kDa KDa                                     |

**NR5A2 / LRH-1 Antibody (C-Terminus) - 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

**Target/Specificity**

Human NR5A2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

NR5A2 / LRH-1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**NR5A2 / LRH-1 Antibody (C-Terminus) - 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:<a href="http://www.uniprot.org/citations/20159957" target="\_blank">20159957</a>). 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

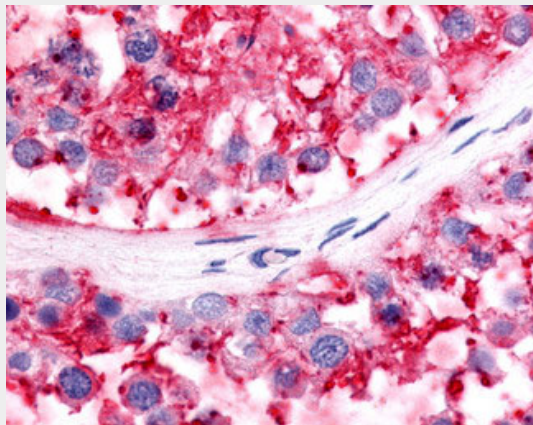
**Volume**

50 µl

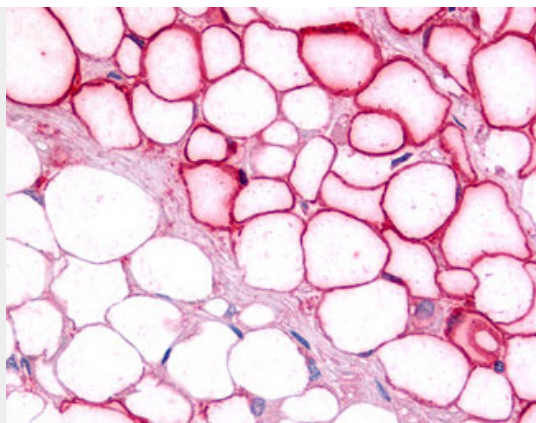
**NR5A2 / LRH-1 Antibody (C-Terminus) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**NR5A2 / LRH-1 Antibody (C-Terminus) - Images**

Anti-LRH-1 / NR5A2 antibody IHC of human testis.



Anti-LRH-1 / NR5A2 antibody IHC of human adipocytes.

#### **NR5A2 / LRH-1 Antibody (C-Terminus) - Background**

Binds to the sequence element 5'-AACGACCGACCTTGAG-3' of the enhancer II of hepatitis B virus genes, a critical cis-element of their expression and regulation. 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.

#### **NR5A2 / LRH-1 Antibody (C-Terminus) - References**

- Li M.,et al.J. Biol. Chem. 273:29022-29031(1998).
- Li M.,et al.Submitted (JAN-1999) to the EMBL/GenBank/DDBJ databases.
- Nitta M.,et al.Proc. Natl. Acad. Sci. U.S.A. 96:6660-6665(1999).
- Zhang C.K.,et al.Gene 273:239-249(2001).
- Ota T.,et al.Nat. Genet. 36:40-45(2004).