

Rabbit Anti-NR5A2 antibody

SL10444R

Product Name NR5A2

Chinese Name 成纤维 The nucleus 受体 Nr5a2 抗体

Alias NR5A2/LRH1; Alpha-1-fetoprotein transcription factor; B1-binding factor; B1F; B1F2; CPF; CYP7A promoter-binding factor; FTF; FTZ F1; FTZ F1beta; FTZ-F1; FTZ-F1beta; hB1F 2; HB1F; hB1F-2; Hepatocytic transcription factor; Liver receptor homolog 1; LRH-1; LRH1; Nr5a2; NR5A2_HUMAN; Nuclear receptor subfamily 5 group A member 2.

Research Area Cell biology Developmental biology Chromatin and nuclear signals Microbiology Signal transduction Stem cells transcriptional regulatory factor Bacteria and viruses Cell Surface Molecule Epigenetics

Immunogen Species Rabbit

Clonality Polyclonal

React Species Mouse,Rat (predicted:Human,Chicken,Cow)

Applications WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 61kDa

Cellular localization The nucleus

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human NR5A2/LRH1: 151-250/541

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed

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NR5A2 is a pre-adipocyte-specific nuclear receptor that regulates expression of aromatase in adipose tissue. NR5A2 belongs to the fushi tarazu factor-1 subfamily of orphan nuclear receptors. NR5A2 transcripts are abundant in the human ovary and testis and are predominantly expressed in tissues of endodermal origin. NR5A2 is a positive transcription factor for ABCG5 and ABCG8 and regulates genes involved in sterol and bile acid secretion from liver and intestine. It induces cell proliferation through the concomitant induction of cyclin D1 and E1, an effect that is potentiated by its interaction with beta-catenin.

Function:

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.

**Product
Detail**

Subcellular Location:

Nucleus.

Tissue Specificity:

Abundantly expressed in pancreas, less in liver, very low levels in heart and lung. Expressed in hepG2. Isoform 1 and isoform 2 seem to be present in fetal and adult liver and hepG2 cells.

Similarity:

Belongs to the nuclear hormone receptor family. NR5 subfamily. Contains 1 nuclear receptor DNA-binding domain.

SWISS:

O00482

Gene ID:

2494

Database links:

[Entrez Gene: 541305](#) Cow

[Entrez Gene: 2494](#) Human

[Entrez Gene: 26424](#) Mouse

[Entrez Gene: 60349](#) Rat

[Omim: 604453](#) Human

[SwissProt: O00482](#) Human

[SwissProt: P45448](#) Mouse

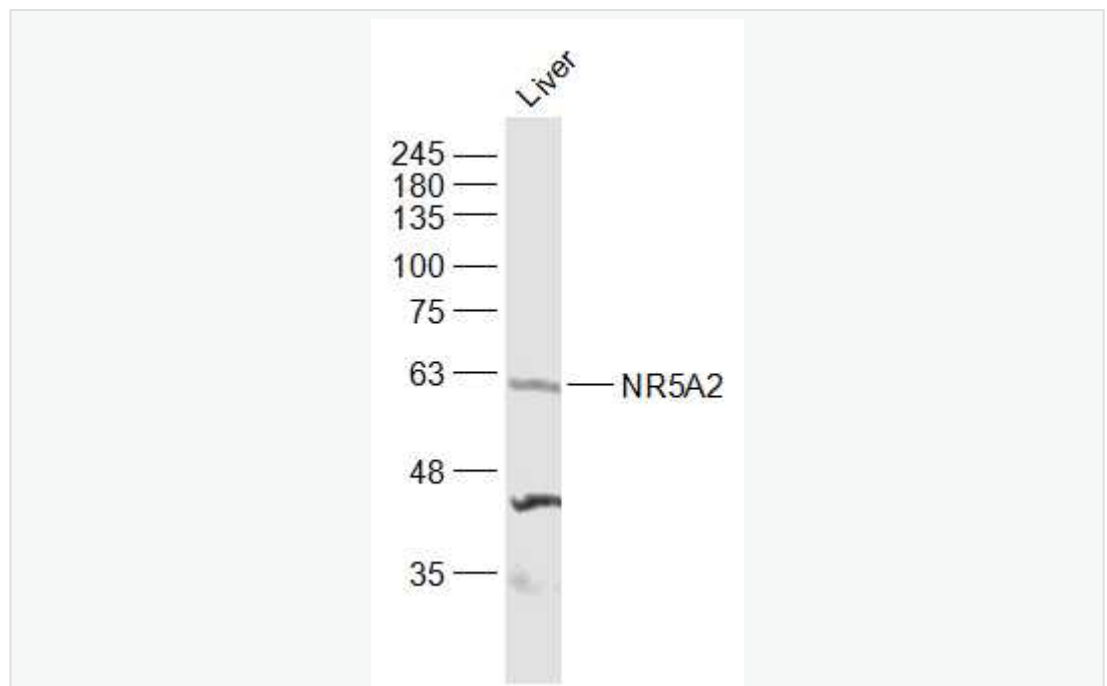
[SwissProt: Q9QWM1](#) Rat

[Unigene: 33446](#) Human

[Unigene: 16794](#) Mouse

[Unigene: 42941](#) Rat

**Product
Picture**



Sample:

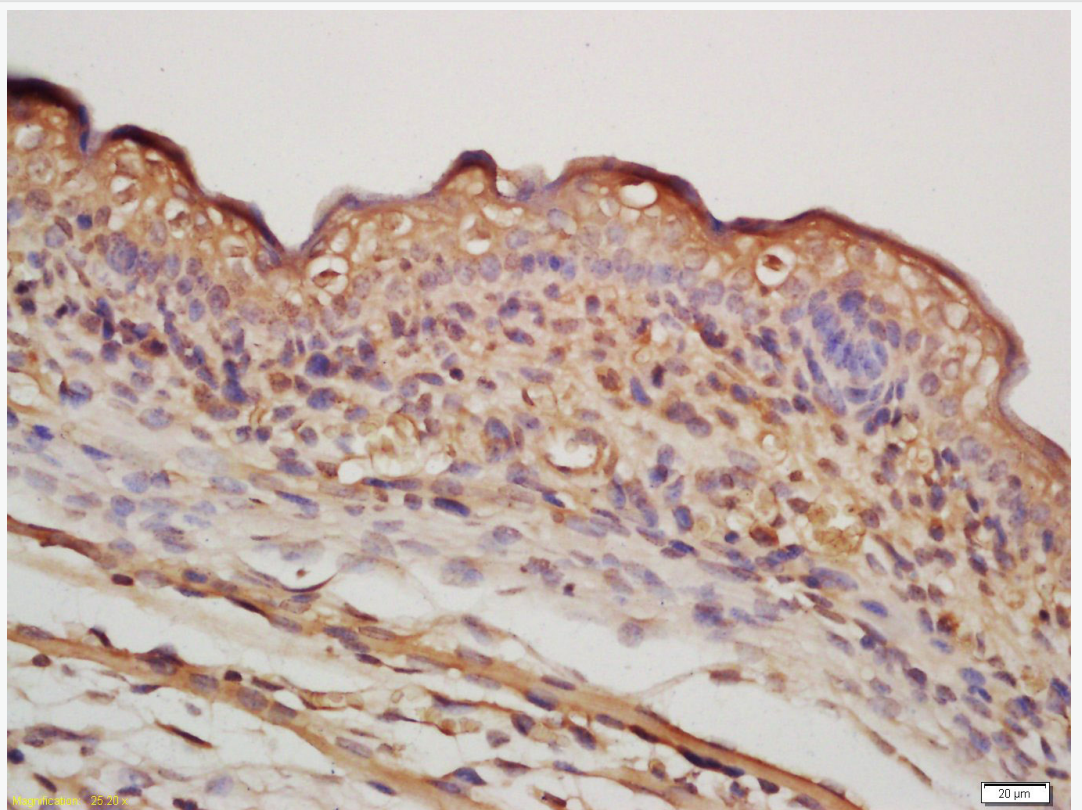
Liver(Rat) Lysate at 40 ug

Primary: Anti-NR5A2 (SL10444R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 61 kD

Observed band size: 61 kD

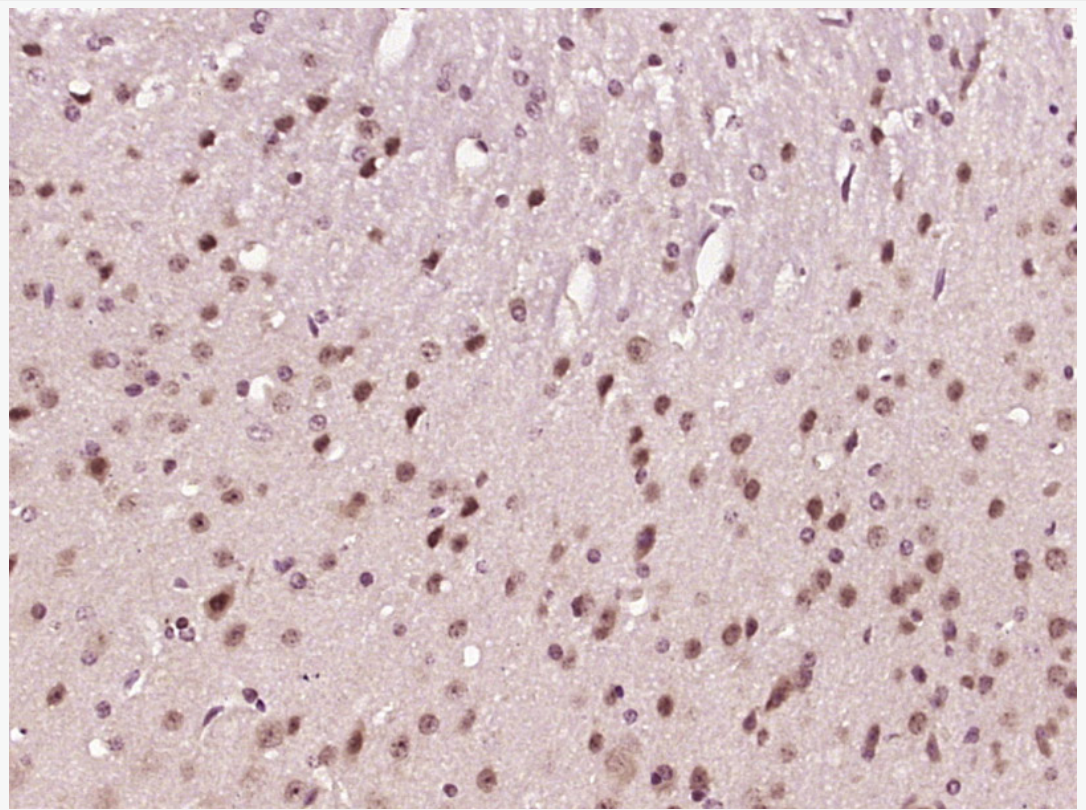


Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-NR5A2 Polyclonal Antibody, Unconjugated(SL10444R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and

DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NR5A2) Polyclonal Antibody, Unconjugated (SL10444R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.