

# Anti-HNF-4-alpha Antibody

## IRS055



<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Mouse
<b>Applications:</b>	mIHC
<b>Molecular Wt:</b>	Predicted band size: 53 kDa

**Description:** The protein encoded by this gene is a nuclear transcription factor which binds DNA as a homodimer. The encoded protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. This gene may play a role in development of the liver, kidney, and intestines. Mutations in this gene have been associated with monogenic autosomal dominant non-insulin-dependent diabetes mellitus type I. Alternative splicing of this gene results in multiple transcript variants encoding several different isoforms.

**Immunogen:** Recombinant protein within mouse HNF-4-alpha aa 1-250/474.

**Positive control:** Mouse liver tissue.

**Subcellular location:** Nucleus.

**Database links:** SwissProt: P49698 Mouse

**Recommended Dilutions:**  
mIHC 1:100

**Storage Buffer:** PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

**Purity:** Protein A affinity purified.

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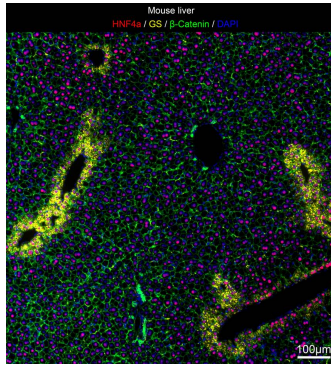
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Technical:0086-571-89986345

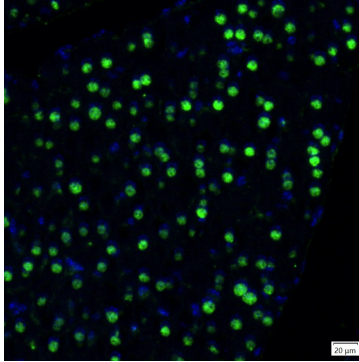
Service mail:support@huabio.cn

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## Images



**Fig1:** mIHC analysis of mouse liver tissue (Formalin/PFA-fixed paraffin-embedded sections) with HNF-4- $\alpha$  (IRS055), GS and  $\beta$  Catenin (IRS061) antibody at 1/100 dilution. The immunostaining was performed with the IRISKitCmTSA Kit (900802). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins at 95°C. DAPI (blue) was used as a nuclear counter stain. Image acquisition was performed with Olympus VS200 Slide Scanner.



**Fig2:** mIHC analysis of mouse liver tissue (Formalin/PFA-fixed paraffin-embedded sections) with Rabbit anti-HNF-4-alpha antibody (IRS055) at 1/100 dilution. The immunostaining was performed with the IRISKitCmTSA Kit (900808). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins at 95°C. DAPI (blue) was used as a nuclear counter stain. Image acquisition was performed with Olympus VS200 Slide Scanner.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

## Background References

1. Song H. et. al. HNF4A-AS1/hnRNPU/CTCF axis as a therapeutic target for aerobic glycolysis and neuroblastoma progression. J Hematol Oncol. 2020 Mar
2. Zhang X. et. al. circRNA\_104075 stimulates YAP-dependent tumorigenesis through the regulation of HNF4a and may serve as a diagnostic marker in hepatocellular carcinoma. Cell Death Dis. 2018 Oct

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