

**Anti-HNF1 Picoband Antibody**  
**Catalog # ABO11905****Specification**

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**Anti-HNF1 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P20823</a>
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Hepatocyte nuclear factor 1-alpha(HNF1A) detection. Tested with WB in Human;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-HNF1 Picoband Antibody - Additional Information**

**Gene ID** 6927

**Other Names**

Hepatocyte nuclear factor 1-alpha, HNF-1-alpha, HNF-1A, Liver-specific transcription factor LF-B1, LFB1, Transcription factor 1, TCF-1, HNF1A, TCF1

**Calculated MW**

67356 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human, Rat<br>

**Subcellular Localization**

Nucleus .

**Tissue Specificity**

Liver.

**Protein Name**

Hepatocyte nuclear factor 1-alpha

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

**Immunogen**

E.coli-derived human HNF1 recombinant protein (Position: A431-Q631). Human HNF1 shares 93% and 92% amino acid (aa) sequences identity with mouse and rat HNF1, respectively.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Sequence Similarities**

Belongs to the HNF1 homeobox family.

**Anti-HNF1 Picoband Antibody - Protein Information**

**Name** HNF1A

**Synonyms** TCF1

**Function**

Transcriptional activator that regulates the tissue specific expression of multiple genes, especially in pancreatic islet cells and in liver (By similarity). Binds to the inverted palindrome 5'-GTTAATNATTAAC-3' (PubMed: [10966642](http://www.uniprot.org/citations/10966642), PubMed: [12453420](http://www.uniprot.org/citations/12453420)). Activates the transcription of CYP1A2, CYP2E1 and CYP3A11 (By similarity).

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000269|PubMed:10966642, ECO:0000269|PubMed:38018242}

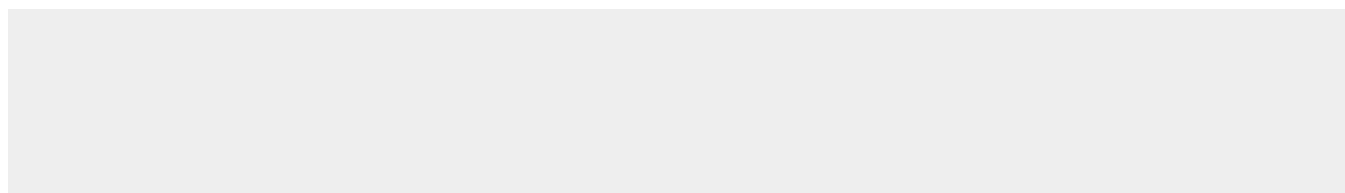
**Tissue Location**

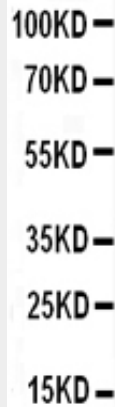
Liver.

**Anti-HNF1 Picoband Antibody - Protocols**

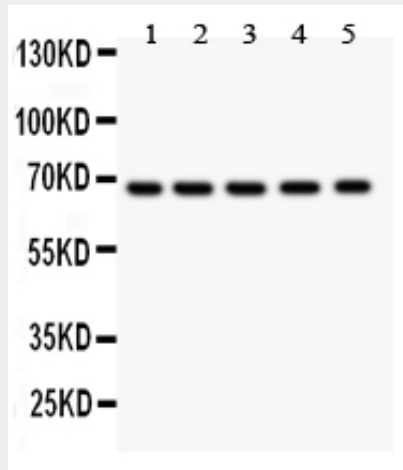
Provided below are standard protocols that you may find useful for product applications.

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

**Anti-HNF1 Picoband Antibody - Images**



Anti- HNF1 antibody, ABO11905, Western blotting All lanes: Anti HNF1 (ABO11905) at 0.5ug/ml WB: Recombinant Human HNF1 Protein 0.5ng Predicted bind size: 45KD Observed bind size: 45KD



Anti- HNF1 antibody, ABO11905, Western blotting All lanes: Anti HNF1 (ABO11905) at 0.5ug/ml Lane 1: Rat Liver Tissue Lysate at 50ug Lane 2: Rat Kidney Tissue Lysate at 50ug Lane 3: RH35 Whole Cell Lysate at 40ug Lane 4: HELA Whole Cell Lysate at 40ug Lane 5: HEPG2 Whole Cell Lysate at 40ug Predicted bind size: 67KD Observed bind size: 67KD

#### **Anti-HNF1 Picoband Antibody - Background**

HNF1 homeobox A (hepatocyte nuclear factor 1 homeobox A), also known as HNF1A or TCF1, is a human gene. It is mapped to chromosome 12q24.3. The protein encoded by this gene is a transcription factor that is highly expressed in the liver and is involved in the regulation of the expression of several liver-specific genes. HNF1A can function as a dimer. What's more, deletion of the HNF1A activation domains or interruption of the HNF1-binding sites in the LCT promoter resulted in complete loss of transcriptional activity.