**HNF1B**

**Polyclonal ANTIBODY**

Catalog Number: 12533-1-AP

---

### Basic Information

**Catalog Number:** 12533-1-AP

**Size:** 42 μg/150 μl

**Source:** Rabbit

**Isotype:** IgG

**Purification Method:** Antigen affinity purification

**Immunogen Catalog Number:** AG3232

**GenBank Accession Number:** BGO17714

**GeneID (NCBI):** 6928

**Full Name:** HNF1 homeobox B

**Calculated MW:** 557aa, 61 kDa

**Observed MW:** 58-60 kDa

---

### Applications

**Tested Applications:** IF, IHC, WB, ELISA

**Cited Applications:** co-IP, FC, IF, IHC, WB

**Species Specificity:** human, mouse, rat

**Cited Species:** human, mouse, pig

**Note:** IHC suggested antigen retrieval with TE buffer pH 9.0. (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

---

### Background Information

Hepatocyte nuclear factor-1-beta (HNF1B), or transcription factor-2 (TCF2), is a member of the homeodomain-containing superfamily of transcription factors. Early expression of HNF1B (12533-1-AP) is seen in the kidney, liver, pancreas, thymus, lung, gut and genital tract. HNF1B can be a homodimer or a heterodimer with HNF1A. It’s a transcription factor, probably by binding to the inverted palindrome 5’-GTTAATNATTAAC-3’, and as a bookmarking factor that marks target genes for rapid transcriptional reactivation after mitosis. This is a rabbit polyclonal antibody raised against part chain of N-terminus of human HNF1B. HNF1B exists some isoforms with MV 61 kDa, 58 kDa, 46 kDa and 44 kDa.

---

### Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>PubMed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yiannis Drosos</td>
<td>28894263</td>
<td>Sci Rep</td>
<td>IHC</td>
</tr>
<tr>
<td>Shigeharu G Yabe</td>
<td>31146732</td>
<td>PLoS One</td>
<td>WB</td>
</tr>
<tr>
<td>Yamin Liu</td>
<td>31144236</td>
<td>In Vitro Cell Dev</td>
<td>WB</td>
</tr>
</tbody>
</table>

---

### Storage

**Storage:** Store at -20°C. Stable for one year after shipment.

**Storage Buffer:** PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

**Aliquoting is unnecessary for -20°C storage**

---

For technical support and original validation data for this product please contact:

T. 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or (1312) 455-8498 (outside USA)

E: proteintech@ptglab.com

W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
L02 cells were subjected to SDS PAGE followed by western blot with 12533-1-AP HNF1B antibody at dilution of 1:800 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 12533-1-AP HNF1B Antibody at dilution of 1:400 (under 40x lens).

Immunofluorescent analysis of (4% PFA) fixed L02 cells using 12533-1-AP HNF1B antibody at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).