**Basic Information**

- **Catalog Number:** 12533-1-AP
- **Size:** 150μL, Concentration: 280 μg/ml by Bradford method using BSA as the standard;
- **Source:** Rabbit
- **Isotype:** IgG
- **Immunogen Catalog Number:** AG3232
- **GenBank Accession Number:** BC017714
- **GeneID (NCBI):** 6928
- **Full Name:** HNF 1 homeobox B
- **Calculated MW:** 557 aa, 61 kDa
- **Observed MW:** 58-60 kDa
- **Purification Method:** Antigen affinity purification
- **Recommended Dilutions:**
  - WB: 1:500-1:1000
  - IHC: 1:50-1:500
  - IF: 1:50-1:500

**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 MW 61 kDa, 58 kDa, 46 kDa and 44 kDa.

**Notable Publications**

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<th>Author</th>
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<tr>
<td>Yiannis Drosos</td>
<td>28894253</td>
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<td>Jianqing Wang</td>
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<td>Shigeharu G Yabe</td>
<td>31145732</td>
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**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**
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).