

# HNF1B

## Polyclonal ANTIBODY

Catalog Number: 12533-1-AP

11 Publications

### 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:  
BC017714

GeneID (NCBI):  
6928

Full Name:  
HNF1 homeobox B

Calculated MW:  
557aa, 61 kDa

Observed MW:  
58-60 kDa

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, IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, pig

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

Positive Controls:

WB : L02 cells; Jurkat cells

IHC : human liver cancer tissue; human pancreas cancer tissue

IF : L02 cells;

### 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

Author	Pubmed ID	Journal	Application
Yiannis Drosos	28894253	Sci Rep	IHC
Mitsugu Omata	27196561	PLoS One	WB, IF
Marko Z Nikolić	28665271	Elife	IHC

### 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

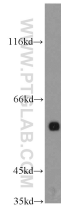
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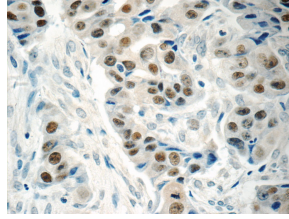
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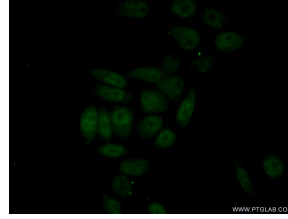
## Selected Validation Data



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



Immunohistochemistry 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)