

For Research Use Only

# HNF1B Polyclonal antibody

Catalog Number: 12533-1-AP

Featured Product

24 Publications



## Basic Information

<b>Catalog Number:</b> 12533-1-AP	<b>GenBank Accession Number:</b> BC017714	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 800 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6928	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:200-1:800 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> HNF1 homeobox B	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 557 aa, 61 kDa	
<b>Immunogen Catalog Number:</b> AG3232	<b>Observed MW:</b> 58-60 kDa	

## Applications

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

**Cited Applications:**  
CoIP, 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**

**Positive Controls:**

**WB:** LO2 cells, Jurkat cells, MDCK cells

**IHC:** human renal cell carcinoma tissue, human liver cancer tissue

**IF:** LO2 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 MV 61 kDa, 58 kDa, 46 kDa and 44 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yiannis Drosos	28894253	Sci Rep	IHC
Jianqing Wang	31636385	Oncogene	WB, IHC
Wei Lu	33174391	J Cell Mol Med	WB, IHC

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

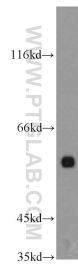
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

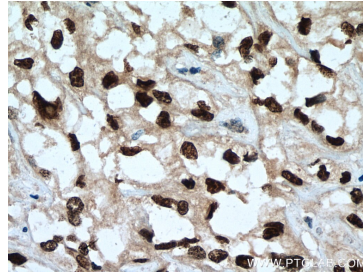
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

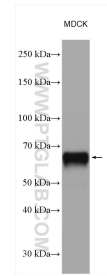
## Selected Validation Data



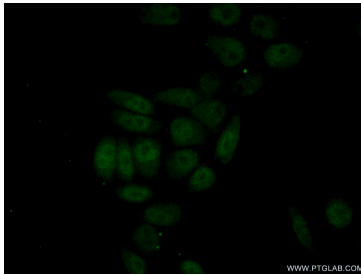
L02 cells were subjected to SDS PAGE followed by western blot with 12533-1-AP (HNF 1B antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 12533-1-AP (HNF 1B antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



MDCK cells were subjected to SDS PAGE followed by western blot with 12533-1-AP (HNF 1B antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



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