

For Research Use Only

# HNF1B Polyclonal antibody

Catalog Number:12533-1-AP

Featured Product

26 Publications



## Basic Information

**Catalog Number:**

12533-1-AP

**Concentration:**

800 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3232

**GenBank Accession Number:**

BC017714

**GeneID (NCBI):**

6928

**UNIPROT ID:**

P35680

**Full Name:**

HNF1 homeobox B

**Calculated MW:**

557 aa, 61 kDa

**Observed MW:**

58-65 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:200-1:800

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, ELISA

**Cited Applications:**

WB, IHC, IF, CoIP

**Species Specificity:**

human, mouse, rat, canine

**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 : L02 cells, Jurkat cells, MDCK cells

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

IF/ICC : 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 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

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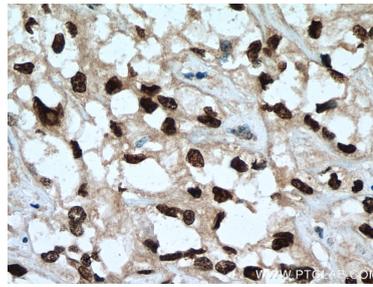
W: ptgcn.com

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

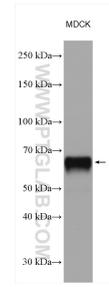
## Selected Validation Data



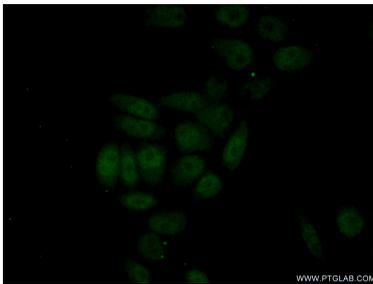
L02 cells were subjected to SDS PAGE followed by western blot with 12533-1-AP (HNF1B antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 12533-1-AP (HNF1B 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 (HNF1B 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 (HNF1B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).