

For Research Use Only

HNF1B Polyclonal antibody

Catalog Number: 12533-1-AP

Featured Product

26 Publications



Basic Information

Catalog Number:

12533-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

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 : LO2 cells, Jurkat cells, MDCK cells

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

IF/ICC : 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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

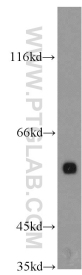
For technical support and original validation data for this product please contact:

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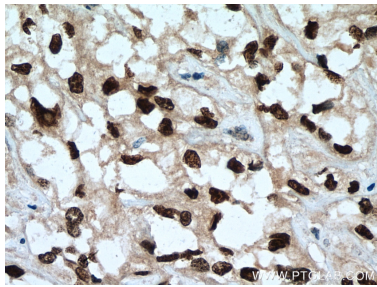
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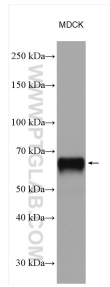
Selected Validation Data



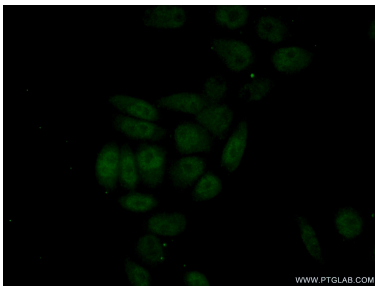
L02 cells were subjected to SDS PAGE followed by western blot with 12533-1-AP (HNF1B antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



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).