

HNF1B

Polyclonal ANTIBODY

Catalog Number: 12533-1-AP

10 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:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, pig

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
Misugu 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

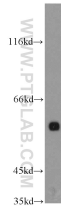
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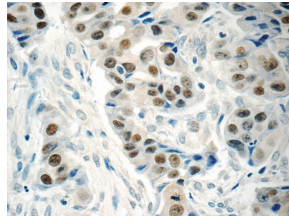
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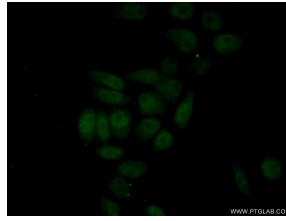
Selected Validation Data



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)