

For Research Use Only

HNF1B Recombinant antibody

Catalog Number: 84684-5-RR



Basic Information

Catalog Number:

84684-5-RR

Concentration:

1000 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

Purification Method:

Protein A purification

CloneNo.:

242120H8

Recommended Dilutions:

IF/ICC 1:250-1:1000

Applications

Tested Applications:

IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells, Caco-2 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.

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

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

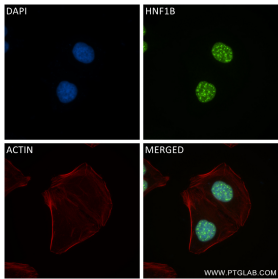
T: 4006900926

E: Proteintech-CN@ptglab.com

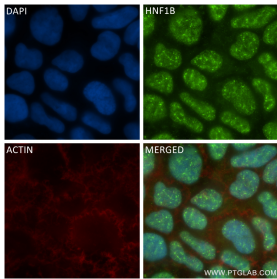
W: ptgcn.com

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

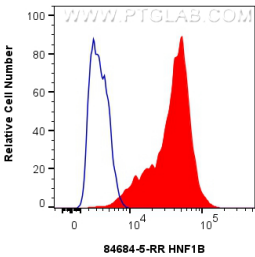
Selected Validation Data



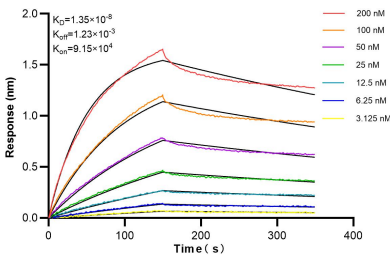
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HNF1B antibody (84684-5-RR, Clone: 242120H8) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed Caco-2 cells using HNF1B antibody (84684-5-RR, Clone: 242120H8) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10⁶ Caco-2 cells were intracellularly stained with 0.25 ug HNF1B Recombinant antibody (84684-5-RR, Clone:242120H8) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Bioluminescence resonance energy transfer (BLI) kinetic assays of 84684-5-RR against Human HNF1B were performed. The affinity constant is 13.5 nM.