

For Research Use Only

HNF1B Recombinant antibody, PBS Only

Catalog Number: 84684-5-PBS



Basic Information

Catalog Number:

84684-5-PBS

Concentration:

1 mg/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

Applications

Tested Applications:

IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:

human

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

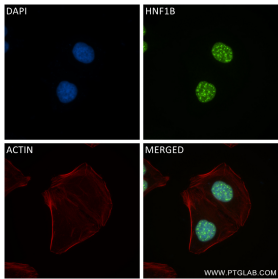
T: 4006900926

E: Proteintech-CN@ptglab.com

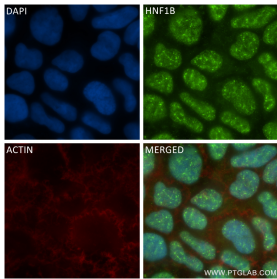
W: ptgcn.com

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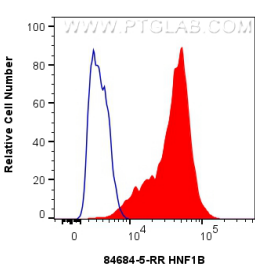
Selected Validation Data



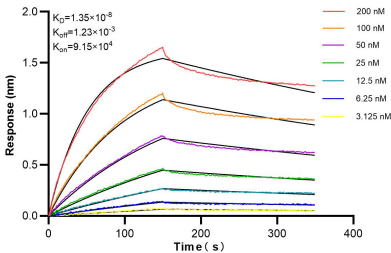
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HNF1B antibody (84684-5-RR, Clone: 242120H8) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84684-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84684-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84684-5-PBS in a different storage buffer



Biacore sensorgram (BLI) kinetic assays of 84684-5-RR against Human HNF1B were performed. The affinity constant is 13.5 nM.