

For Research Use Only

HNF1B Recombinant antibody, PBS Only

Catalog Number: 84684-5-PBS



Basic Information

Catalog Number: 84684-5-PBS	GenBank Accession Number: BC017714	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6928	CloneNo.: 242120H8
Source: Rabbit	UNIPROT ID: P35680	
Isotype: IgG	Full Name: HNF1 homeobox B	
Immunogen Catalog Number: AG3232	Calculated MW: 557 aa, 61 kDa	

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.

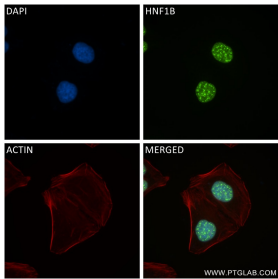
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

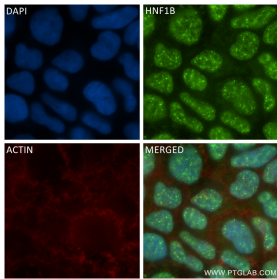
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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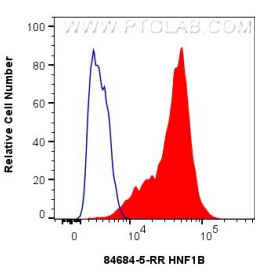
Selected Validation Data



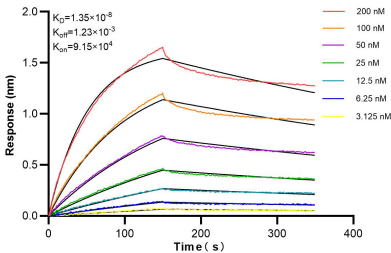
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HNF1B antibody (84684-5-RR, Clone: 242120H8) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84684-5-PBS in a different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



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