

For Research Use Only

# HNF1B Recombinant antibody

Catalog Number: 84684-4-RR



## Basic Information

<b>Catalog Number:</b> 84684-4-RR	<b>GenBank Accession Number:</b> BC017714	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6928	<b>CloneNo.:</b> 242120A9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P35680	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG	<b>Full Name:</b> HNF1 homeobox B	
<b>Immunogen Catalog Number:</b> AG3232	<b>Calculated MW:</b> 557 aa, 61 kDa	
	<b>Observed MW:</b> 58-65 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : MDCK cells,
<b>Species Specificity:</b> human, canine	

## 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

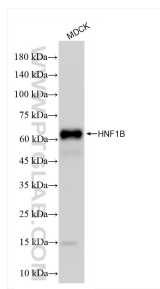
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

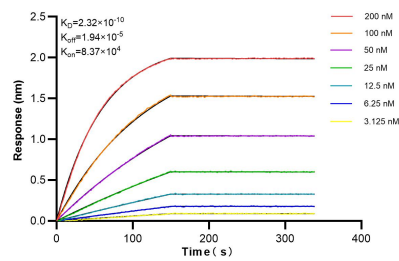
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## Selected Validation Data



MDCK cells were subjected to SDS PAGE followed by western blot with 84684-4-RR (HNF1B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84684-4-RR against Human HNF1B were performed. The affinity constant is 0.232 nM.