

**bs-8451R****[ Primary Antibody ]****phospho-HNF4 (Ser304) Rabbit pAb****Bioss**  
ANTIBODIES

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**— DATASHEET —**

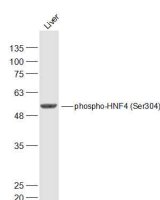
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG
<b>Clonality:</b> Polyclonal	
<b>GeneID:</b> 3172	<b>SWISS:</b> P41235
<b>Target:</b> phospho-HNF4 (Ser304)	
<b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human HNF4 alpha around the phosphorylation site of Ser304: GL(p-S)DP.	
<b>Purification:</b> affinity purified by Protein A	
<b>Concentration:</b> 1mg/ml	
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	
<b>Background:</b> The protein encoded by the HNF4 gene is a nuclear transcription factor which binds DNA as a homodimer. The encoded protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. This gene may play a role in development of the liver, kidney, and intestines. Mutations in this gene have been associated with monogenic autosomal dominant non insulin dependent diabetes mellitus type I. At least three different transcript variants encoding three different isoforms have been found for this gene.	

**Applications:** **WB** (1:500-2000)  
**IHC-P** (1:100-500)  
**IHC-F** (1:100-500)  
**IF** (1:50-200)  
**Flow-Cyt** (1ug/Test)

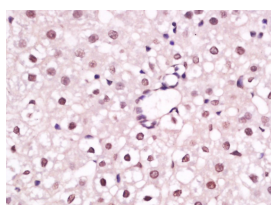
**Reactivity:** Human, Mouse, Zebrafish  
(predicted: Rat, Rabbit, Pig,  
Cow, Chicken, GuineaPig,  
Horse)

**Predicted MW.:** 52 kDa

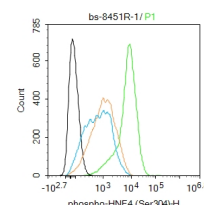
**Subcellular Location:** Nucleus

**— VALIDATION IMAGES —**

Sample: Liver (Mouse) Lysate at 40 ug Primary: Anti-phospho-HNF4 (Ser304) (bs-8451R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kD Observed band size: 52 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HNF4) Polyclonal Antibody, Unconjugated (bs-8451R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control (black line) :HepG2. Primary Antibody (green line): Rabbit Anti-phospho-HNF4 (Ser304 antibody (bs-8451R) Dilution:1ug/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.