bs-1405R **[Primary Antibody]**

HNF1A Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 6927 **SWISS:** P20823

Target: HNF1A

Immunogen: KLH conjugated synthetic peptide derived from human HNF1: 201-350/628.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 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.

Background: IRF1 encodes interferon regulatory factor 1, a member of the interferon regulatory transcription factor (IRF) family. IRF1 serves as an activator of interferons alpha and beta transcription, and in mouse it has been shown to be required for double-stranded RNA induction of these genes. IRF1 also functions as a transcription activator of genes induced by interferons alpha, beta, and gamma. Further, IRF1 has been shown to play roles in regulating apoptosis and tumor-suppressoion.

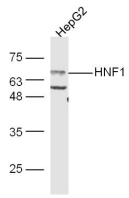
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (3ug/test)
ICC/IF (1:100)

Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Zebrafish, Chicken, Dog)

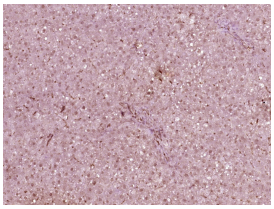
Predicted MW.: 67 kDa

Subcellular Location: Nucleus

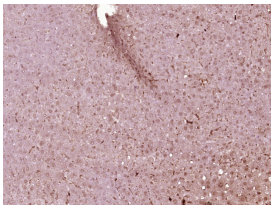
VALIDATION IMAGES



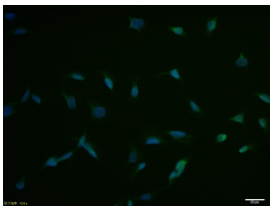
Sample: HepG2 Cell (Human) Lysate at 30 ug
Primary: Anti-HNF1 (Bs-1405R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 67 kD
Observed band size: 67 kD



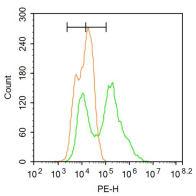
Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HNF1A) Polyclonal Antibody, Unconjugated (bs-1405R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



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 (HNF1A) Polyclonal Antibody, Unconjugated (bs-1405R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (HNF1A) polyclonal Antibody, Unconjugated (bs-1405R) 1:100, 90 minutes at 37°C; followed by a



Blank control:A549. Primary Antibody (green line): Rabbit Anti-HNF1A antibody (bs-1405R) Dilution: 1µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 3µg /test. Protocol The cells were fixed with 4% PFA

conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

(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 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.

SELECTED CITATIONS

- **[IF=5.895]** Kai Wang. et al. Novel Hypocholesterolemic Peptides Derived from Silver Carp Muscle: The Modulatory Effects on Enterohepatic Cholesterol Metabolism In Vitro and In Vivo. J AGR FOOD CHEM. 2023;71(14):5565–5575 WB ;Mouse,Human. 36997503
- **[IF=5.6]** Kai Wang. et al. Silver carp muscle hydrolysate ameliorated atherosclerosis and liver injury in apoE-/- mice: the modulator effects on enterohepatic cholesterol metabolism. FOOD SCI HUM WELL. 2024 Nov;13:3325 WB ;Mouse. 10.26599/FSHW.2023.9250018