

bs-3828R**[Primary Antibody]****Bioss**
ANTIBODIES

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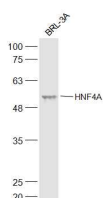
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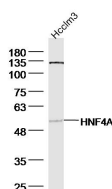
400-901-9800

HNF4A Rabbit pAb**— DATASHEET —**

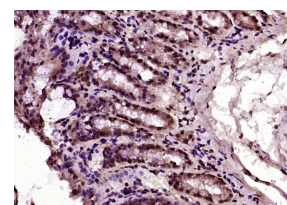
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-1000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 3172	SWISS: P41235	IHC-F (1:100-500)
Target: HNF4A		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human HNF4 alpha: 301-400/464.		Reactivity: Human, Mouse, Rat
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 52 kDa
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.		Subcellular Location: Nucleus
Background: 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.		

— VALIDATION IMAGES —

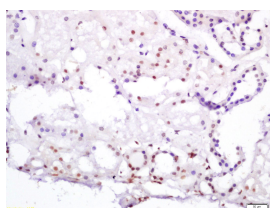
Sample: BRL-3A(Rat) Cell Lysate at 30 ug
 Primary: Anti-HNF4A (bs-3828R) at 1/500 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kD
 Observed band size: 52 kD



Sample: Hcclm3 Cell (Human) Lysate at 40 ug
 Primary: Anti- HNF4A (bs-3828R) at 1/300 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 colon); 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 (HNF4A) Polyclonal Antibody, Unconjugated (bs-3828R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block

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endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-HNF4A Polyclonal Antibody, Unconjugated(bs-3828R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=9.6]** Yang Yu-Hang. et al. HNF4A mitigates sepsis-associated lung injury by upregulating NCOR2/GR/STAB1 axis and promoting macrophage polarization towards M2 phenotype. CELL DEATH DIS. 2025 Feb;16(1):1-14 WB,IF,ChIP ;Mouse. 39979267
- **[IF=7.8]** Kenji Uno. et al.Rspo3-mediated metabolic liver zonation regulates systemic glucose metabolism and body mass in mice.PLOS BIOLOGY.2025 Jan 24;23(1):e3002955. Fluorescent immunostaining ;Murine. 39854351
- **[IF=4.099]** Lv, Xiaoqin. et al. GATA binding protein 4 promotes the expression and transcription of hepatitis B virus by facilitating hepatocyte nuclear factor 4 alpha in vitro. Virol J. 2021 Dec;18(1):1-12 WB ;human. 34583732
- **[IF=3.776]** Qidang Duan. et al. LOX-1 attenuates high glucose-induced autophagy via AMPK/HNF4α signaling in HLSECs. HELIYON. 2022 Dec;8:e12385 IF,WB ;Human. 36590506
- **[IF=2.523]** Zhang C et al. Caveolin-1 promotes Rfng expression via Erk-Jnk-p38 signaling pathway in mouse hepatocarcinoma cells. J Physiol Biochem. 2019 Sep 16. WB ;Mouse. 31529314