
HNF4A Rabbit pAb

Catalog Number: bs-3828R

Target Protein: HNF4A

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-1000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat

Predicted MW: 52 kDa

Entrez Gene: 3172

Swiss Prot: P41235

Source: KLH conjugated synthetic peptide derived from human HNF4 alpha: 301-400/464.

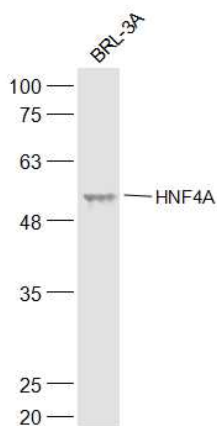
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

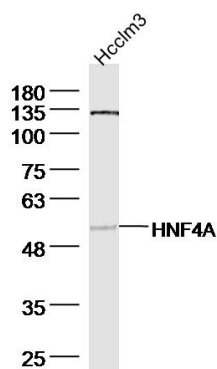
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

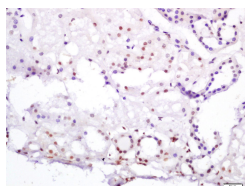
VALIDATION IMAGES



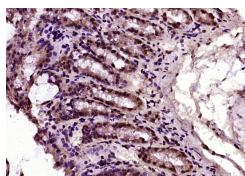
Sample: BRL-3A(Rat) Cell Lysate at 30 ug Primary: Anti-HNF4A (bs-3828R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kD Observed band size: 52 kD



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



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 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



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.

PRODUCT SPECIFIC PUBLICATIONS

[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/HNF4 α 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

[IF=1.785] Johanna Vollmar. et al. Functional inhibition of Oct leads to HNF4 α upregulation. Exp Ther Med. 2021 Apr;21(4):1-1 IF ; Mouse . 33732322