bs-4001R **[Primary Antibody]**

phospho-HNF4 (Ser313) Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3172 **SWISS:** P41235

Target: HNF4 (Ser313)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human HNF4 alpha around the phosphorylation site of Ser313: LR(p-S)QV.

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: 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.

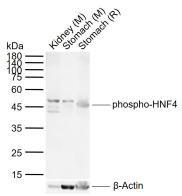
Applications: **WB** (1:500-2000)
Flow-Cyt (2ug/test)

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

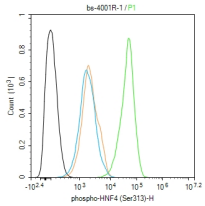
Predicted MW.: 52 kDa

Subcellular Location: Nucleus

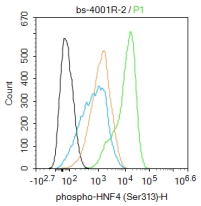
VALIDATION IMAGES



Sample: Lane 1: Mouse Kidney tissue lysates Lane 2: Mouse Stomach tissue lysates Lane 3: Rat Stomach tissue lysates Primary: Anti-phospho-HNF4 (Ser313) (bs-4001R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kDa Observed band size: 50 kDa



Blank control（black line）:HUVEC. Primary Antibody (green line): Rabbit Anti-phospho-HNF4 (Ser313) antibody (bs-4001R) 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.



Blank control（black line）:HepG2. Primary Antibody (green line): Rabbit Anti-phospho-HNF4 (Ser313) antibody (bs-4001R) Dilution:2ug/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.

SELECTED CITATIONS

- **[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 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