

# Product Datasheet

## **HNF-4 alpha/NR2A1 Antibody (SN72-03) NBP2-67679**

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-67679**

HNF-4 alpha/NR2A1 Antibody (SN72-03)

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	SN72-03
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	TBS (pH7.4), 0.05% BSA, 40% Glycerol

**Product Description**

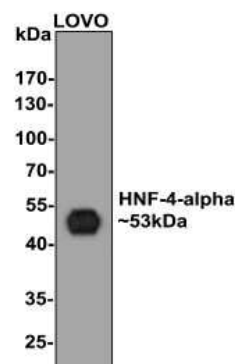
<b>Host</b>	Rabbit
<b>Gene Symbol</b>	HNF4A
<b>Species</b>	Human
<b>Immunogen</b>	Synthetic peptide within Human HNF-4 alpha/NR2A1 aa 21-70 / 474. (SwissProt: P41235 Human)

**Product Application Details**

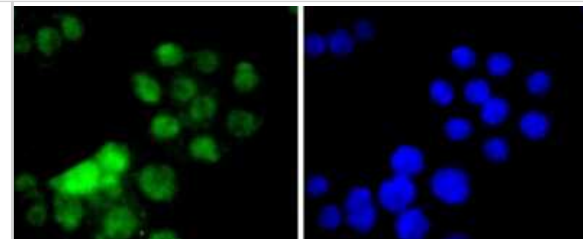
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:1000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:100-1:500

**Images**

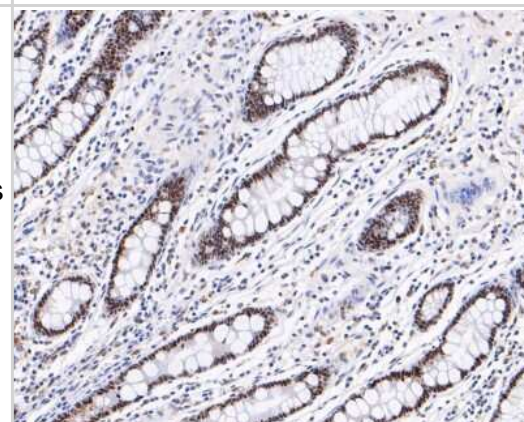
Western Blot: HNF-4 alpha/NR2A1 Antibody (SN72-03) [NBP2-67679] - Analysis of HNF-4-alpha/NR2A1 on LOVO cell lysates with Rabbit anti-HNF-4 alpha/NR2A1 antibody at 1/500 dilution. Lysates/proteins at 10 ug/Lane. Predicted band size: 53 kDa Observed band size: 53 kDa Exposure time: 2 minutes; 10% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody at 1/500 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:200,000 dilution was used for 1 hour at room temperature.



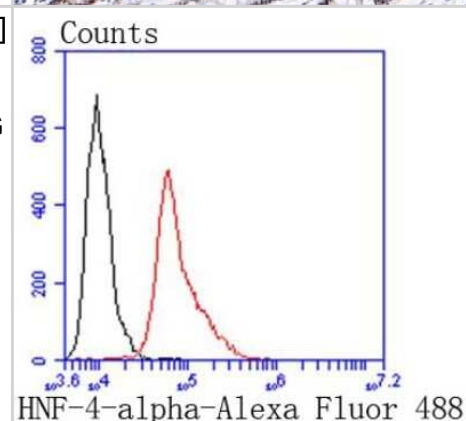
**Immunocytochemistry/Immunofluorescence:** HNF-4 alpha/NR2A1 Antibody (SN72-03) [NBP2-67679] - Staining HNF-4-alpha in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



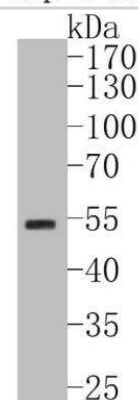
**Immunohistochemistry-Paraffin:** HNF-4 alpha/NR2A1 Antibody (SN72-03) [NBP2-67679] - Analysis of paraffin-embedded human small intestine tissue with Rabbit anti-HNF-4 alpha/NR2A1 antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



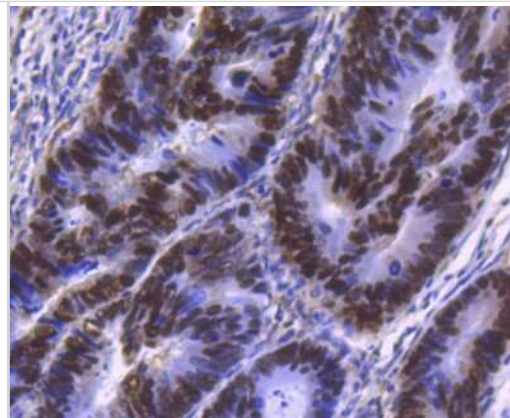
**Flow Cytometry:** HNF-4 alpha/NR2A1 Antibody (SN72-03) [NBP2-67679] - Analysis of HepG2 cells with HNF-4-alpha antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



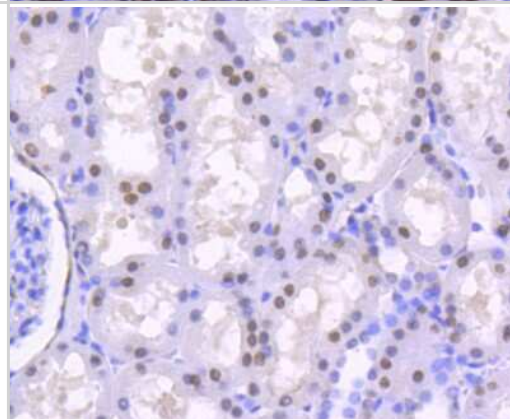
**Western Blot:** HNF-4 alpha/NR2A1 Antibody (SN72-03) [NBP2-67679] - Analysis of HNF-4-alpha on A549 cell lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.



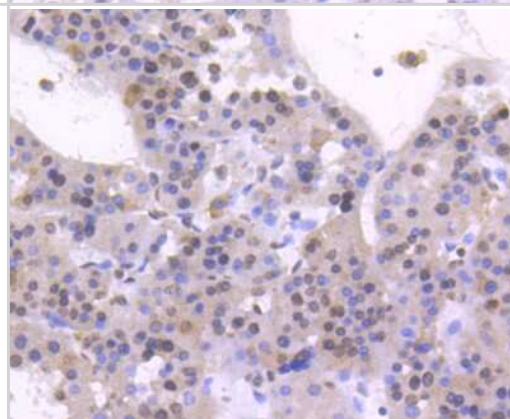
Immunohistochemistry-Paraffin: HNF-4 alpha/NR2A1 Antibody (SN72-03) [NBP2-67679] - Analysis of paraffin-embedded human colon cancer tissue using anti-HNF-4-alpha antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: HNF-4 alpha/NR2A1 Antibody (SN72-03) [NBP2-67679] - Analysis of paraffin-embedded human kidney tissue using anti-HNF-4-alpha antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: HNF-4 alpha/NR2A1 Antibody (SN72-03) [NBP2-67679] - Analysis of paraffin-embedded human liver cancer tissue using anti-HNF-4-alpha antibody. Counter stained with hematoxylin.



## Publications

Song B, Liu D, Dai W et al. Decoding Heterogenous Single-cell Perturbation Responses bioRxiv : the preprint server for biology 2023-11-02 [PMID: 37961332] (FLOW, Human)



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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