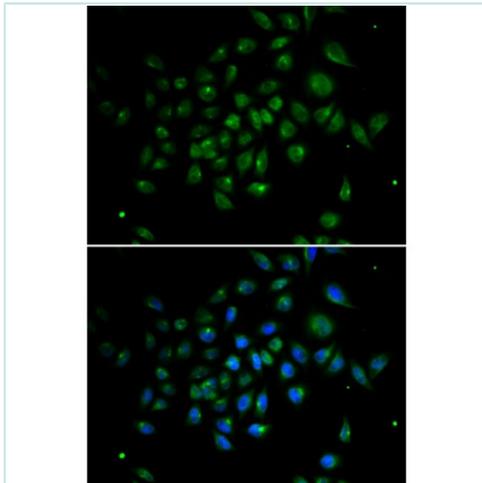
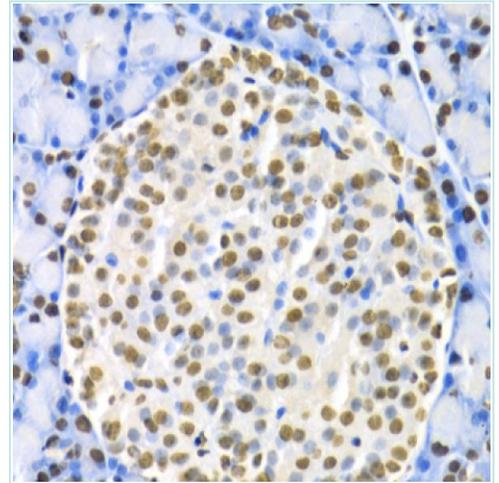
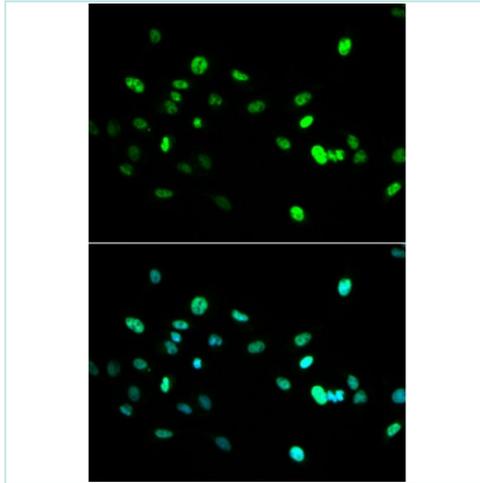
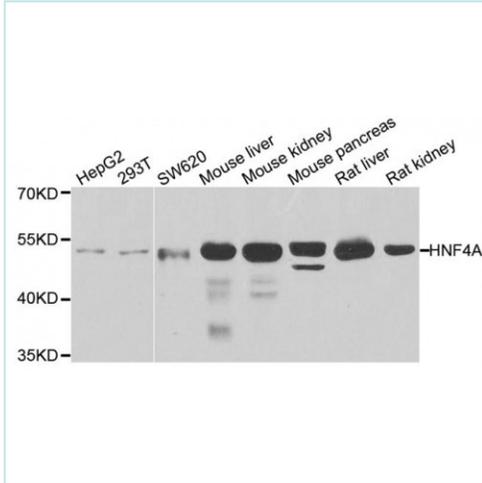


Anti-HNF4A antibody



Product Description

Hepatocyte nuclear factor 4 α (HNF4 α) is a transcription factor that belongs to the steroid hormone receptor superfamily and is enriched in liver (1). HNF4 α , in association with PGC-1 α , activates gluconeogenic genes such as phosphoenolpyruvate carboxykinase and glucose-6-phosphatase genes in fasted livers (2,3). Conditional knockout of the HNF4 α gene in the mouse liver destroys lipid homeostasis and leads to lipid accumulation in the liver and a reduction of serum cholesterol and triglyceride levels (4). Mutations in HNF4 α have been linked to maturity-onset diabetes of the young (MODY) (5).

Product Information

Code:	NB-22-19175
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB, IHC, IF
Immunogen	A synthetic peptide of human HNF4A
Gene ID	3172
Dilution range	WB 1:500-1:2000; IHC 1:50-1:200; IF 1:50-1:200
Purification	Affinity purification
Note	For research use only.
Protein Name	HNF4A - Hepatocyte nuclear factor 4-alpha

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.4
Molecular Weight	N/A
Concentration	1 mg/ml
Storage Instruction	Store at -20°C. Avoid repeated freeze/thaw cycles.
Database Links	<p>Human Entrez Gene: 3172.;</p> <p>Human Uniprot/Swiss-Prot: P41235;</p> <p>Mouse Entrez Gene: 15378;</p> <p>2Mouse Uniprot/Swiss-Prot: B9VVT6;</p> <p>Rat Entrez Gene: 25735;</p> <p>Rat Uniprot-Swiss-Prot: A0A0G2K5P1</p> <p>SEE MORE</p>
Alternative names	<p>HNF4A / hepatocyte nuclear factor 4 alpha / alpha transcription factor 4 antibody,AS27_02485 antibody,AS28_06919 antibody,CB1_002228012 antibody,EH28_07854 antibody,fb58h09 antibody,FRTS4 antibody,GW7_20399 antibody,H920_08364 antibody,hepatic nuclear factor 4 antibody,hepatic nuclear factor 4alpha antibody,hepatic nuclear factor 4 alpha antibody,hepatic nuclear factor 4, alpha antibody,hepatic nuclear factor 4beta antibody,hepatocyte nuclear factor 4-alpha antibody,hepatocyte nuclear factor 4, alpha antibody,hepatocyte nuclear factor 4-alpha-like protein antibody,Hnf4 antibody,HNF-4 antibody,HNF4a7 antibody,HNF4a8 antibody,HNF4a9 antibody,Hnf4alpha antibody,HNF-4alpha antibody,HNF-4-alpha antibody,HNF4 alpha antibody,HNF4alpha10/11/12 antibody,HNF4BETA antibody,hypothetical protein antibody,M959_06591 antibody,MDA_GLEAN10017218 antibody,MODY antibody,MODY1 antibody,N300_15776 antibody,N301_06931 antibody,N303_14097 antibody,N305_03160 antibody,N306_01643 antibody,N307_07029 antibody,N310_12481 antibody,N311_08304 antibody,N312_00793 antibody,N320_11546 antibody,N321_06168 antibody,N324_07918 antibody,N326_11036 antibody,N327_04068 antibody,N328_02818 antibody,N331_07258 antibody,N332_07311 antibody,N333_03633 antibody,N335_04244 antibody,N339_06062 antibody,N340_09480 antibody,N341_08793 antibody,NR2A1 antibody,NR2A21 antibody,nuclear receptor antibody,Nuclear receptor 2A1 antibody,nuclear receptor subfamily 2 group A member 1 antibody,PAL_GLEAN10024368 antibody,PANDA_005626 antibody,TCF antibody,Tcf14 antibody,TCF-14 antibody,transcription factor 14 antibody,transcription factor HNF-4 antibody,TREES_T100011871 antibody,Y1Q_008766 antibody,Y956_05643 antibody,Z169_04463 antibody</p> <p>SEE MORE</p>
Function	Transcriptionally controlled transcription factor. Binds to DNA sites required for the transcription of alpha 1-antitrypsin, apolipoprotein CIII, transthyretin genes and HNF1-alpha. May be essential for development of the liver, kidney and intestine.
Sequence and Domain Family	Belongs to the nuclear hormone receptor family. NR2 subfamily.
Post-translational Modifications	Phosphorylated on tyrosine residue(s); phosphorylation is important for its DNA-binding activity. Phosphorylation may directly or indirectly play a regulatory role in the subnuclear distribution. Phosphorylation at Ser-313 by AMPK reduces the ability to form homodimers and bind DNA.

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