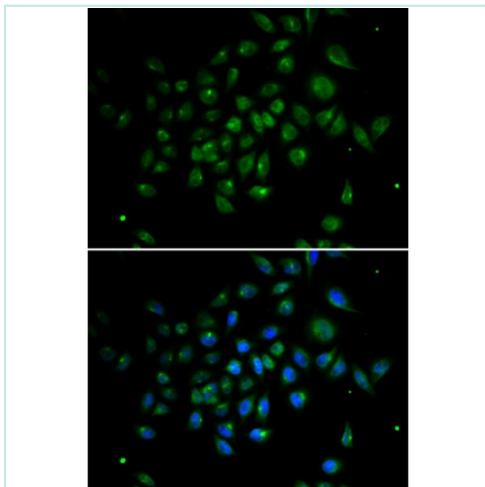
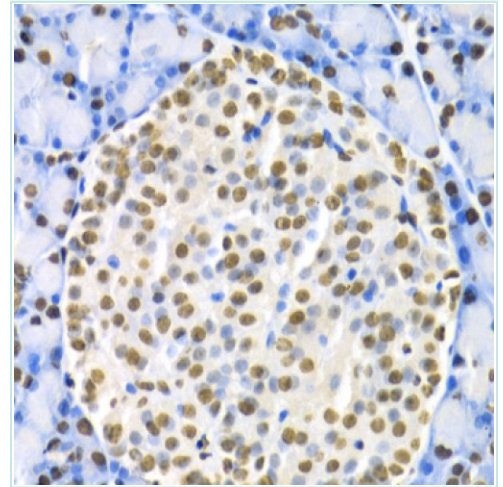
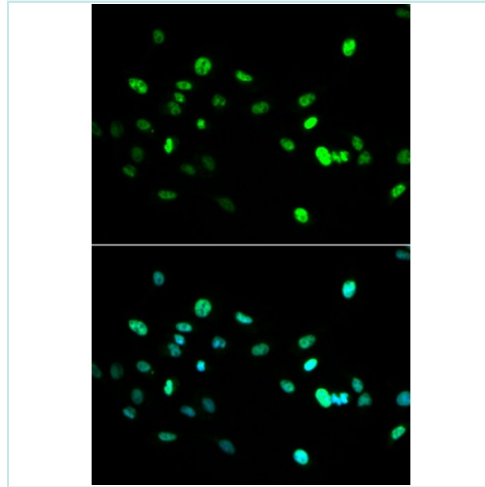
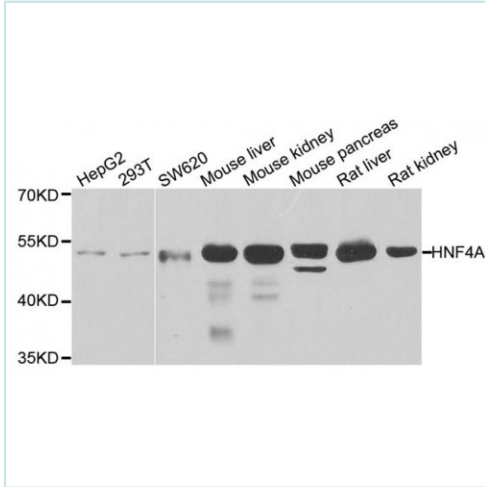


# Anti-HNF4A antibody



## Product Description

Hepatocyte nuclear factor 4 $\alpha$  (HNF4 $\alpha$ ) is a transcription factor that belongs to the steroid hormone receptor superfamily and is enriched in liver (1). HNF4 $\alpha$ , in association with PGC-1 $\alpha$ , activates gluconeogenic genes such as phosphoenolpyruvate carboxykinase and glucose-6-phosphatase genes in fasted livers (2,3). Conditional knockout of the HNF4 $\alpha$  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 $\alpha$  have been linked to maturity-onset diabetes of the young (MODY) (5).

## Product Information

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

<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.4
<b>Molecular Weight</b>	N/A
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C. Avoid repeated freeze/thaw cycles.
<b>Database Links</b>	<p>Human Entrez Gene: &lt;a href="http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&amp;term=3172"&gt;3172.&lt;/a&gt;;</p> <p>Human Uniprot/Swiss-Prot: &lt;a href="http://www.uniprot.org/uniprot/P41235"&gt;P41235&lt;/a&gt;;</p> <p>Mouse Entrez Gene: &lt;a href="http://www.ncbi.nlm.nih.gov/gene/15378"&gt;15378&lt;/a&gt;;</p> <p>2Mouse Uniprot/Swiss-Prot: &lt;a href="http://www.uniprot.org/uniprot/B9VVT6"&gt;B9VVT6&lt;/a&gt;;</p> <p>Rat Entrez Gene: &lt;a href="http://www.ncbi.nlm.nih.gov/gene/25735"&gt;25735&lt;/a&gt;;</p> <p>Rat Uniprot-Swiss-Prot: &lt;a href="http://www.uniprot.org/uniprot/A0A0G2K5P1"&gt;A0A0G2K5P1&lt;/a&gt;</p> <p>SEE MORE</p>
<b>Alternative names</b>	<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>
<b>Function</b>	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.
<b>Sequence and Domain Family</b>	Belongs to the nuclear hormone receptor family. NR2 subfamily.
<b>Post-translational Modifications</b>	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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