HNF4A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HNF4A, Polyclonal Antibody
Full Product Name	HNF4A Antibody, HRP conjugated
Product Gene Name	anti-HNF4A antibody
Product Synonym Names	Hepatocyte nuclear factor 4-alphaHNF-4-alpha; Nuclear receptor subfamily 2 group A member 1; Transcription factor 14; TCF-14; Transcription factor HNF-4; HNF4A; HNF4; NR2A1; TCF14
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: HNF4A (MBS7048357) HRP Conjugated Antibody: HNF4A (MBS7048358)
Molecular Weight	43,988 Da
OMIM	X87870 mRNA
3D Structure	ModBase 3D Structure for P41235
Immunogen	Recombinant Human Hepatocyte nuclear factor 4-alpha protein (130-330AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	HRP
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-6556 / sc-6557 / sc-8987
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HNF4A antibody	ELISA (EIA)
Related Product Information for anti-HNF4A antibody	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.
Other Notes	Small volumes of anti-HNF4A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HNF4A purchase	MBS7048358 is an antibody targeting HNF4A. Also known as HNF4A Antibody, HRP conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HNF4A. It may not necessarily be applicable to this product.

NCBI GI #	31077205
NCBI GeneID	3172
NCBI Accession #	NP_000448.3
UniProt Primary Accession #	P41235
UniProt Secondary Accession #	O00659; O00723; Q14540; Q5QPB8; Q6B4V5; Q6B4V6; Q6B4V7; Q92653; Q92654; A5JW41; B2RPP8
UniProt Related Accession #	P41235
GenBank Nucleotide #	NM_000457.4
NCBI Official Full Name	hepatocyte nuclear factor 4-alpha 2
NCBI Official Synonym Full Names	hepatocyte nuclear factor 4 alpha
NCBI Official Symbol	HNF4A
NCBI Official Synonym Symbols	TCF; HNF4; MODY; FRTS4; MODY1; NR2A1; TCF14; HNF4a7; HNF4a8; HNF4a9; NR2A21; HNF4alpha
UniProt Protein Name	Hepatocyte nuclear factor 4-alpha
UniProt Synonym Protein Names	Nuclear receptor subfamily 2 group A member 1; Transcription factor 14; TCF-14; Transcription factor HNF-4
Protein Family	Hepatocyte nuclear factor
UniProt Gene Name	HNF4A
UniProt Synonym Gene Names	HNF4; NR2A1; TCF14; HNF-4-alpha; TCF-14
UniProt Entry Name	HNF4A_HUMAN
NCBI Protein Information	hepatocyte nuclear factor 4-alpha
NCBI Summary for HNF4A	The protein encoded by this 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. Alternative splicing of this gene results in multiple transcript variants encoding several different isoforms. [provided by RefSeq, Apr 2012]
Research Articles on HNF4A	**1.** the results identify Exo70 as a novel transcriptional target of HNF4alpha to promote cell cycle progression in hepatoma, thus provide a basis for the development of therapeutic strategies for hepatocellular carcinoma.
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