

Datasheet for ABIN2777514
anti-HNF4A antibody (N-Term)

8 Images

4 Publications

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Overview

Quantity:	100 µL
Target:	HNF4A
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit, Guinea Pig, Sheep, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HNF4A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human HNF4A
Sequence:	MRLSKTLVDM DMADYSAALD PAYTTLEFEN VQVLTMGNDT SPSEGTNLNA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against HNF4A. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	HNF4A
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Target Details

Alternative Name:	HNF4A (HNF4A Products)
Background:	<p>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.</p> <p>Alias Symbols: HNF4, HNF4a7, HNF4a8, HNF4a9, HNF4alpha, MODY, MODY1, NR2A1, NR2A21, TCF, TCF14</p> <p>Protein Interaction Partner: PIAS4, SUMO1, SUMO2, RNF4, SUB1, CREBBP, TBP, TAF9, TAF6, TADA2A, GTF2H1, GTF2B, ANP32B, MDM2, GPS2, PPARGC1A, HNF4A, NCOA6, SMAD4, SMAD3, PNRC2, COPS5, PNRC1, NR0B2, NRIP1, UBE2I, PROX1, NPPA, SREBF2, VDR, MAPK3, MAPK1, SIRT1, SREBF1, XPO1, SP1, HDAC3, T</p> <p>Protein Size: 474</p>
Molecular Weight:	53 kDa
Gene ID:	3172
NCBI Accession:	NM_000457 , NP_000448
UniProt:	P41235
Pathways:	AMPK Signaling , Nuclear Receptor Transcription Pathway , Steroid Hormone Mediated Signaling Pathway , Carbohydrate Homeostasis , Cell-Cell Junction Organization , Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 474 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific

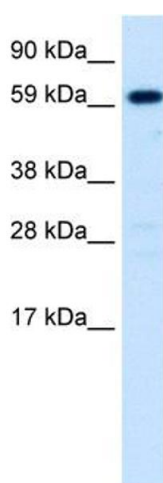
Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Mells, Fu, Sharma, Olson, Cheng, Handy, Saxena, Sorescu, Anania: "Glp-1 analog, liraglutide, ameliorates hepatic steatosis and cardiac hypertrophy in C57BL/6J mice fed a Western diet." in: American journal of physiology. Gastrointestinal and liver physiology , Vol. 302, Issue 2, pp. G225-35, (2012) (PubMed).
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Images

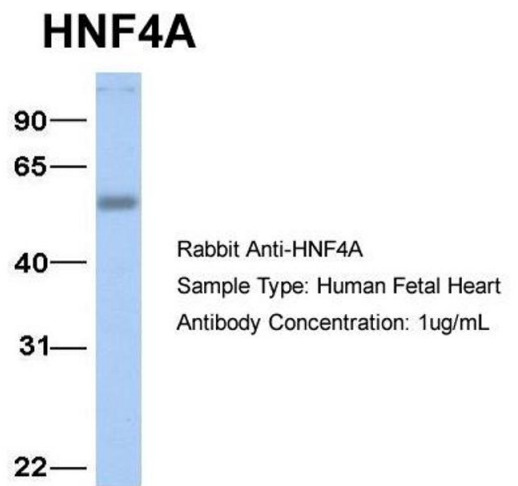


Western Blotting

Image 1. WB Suggested Anti-HNF4A Antibody Titration:

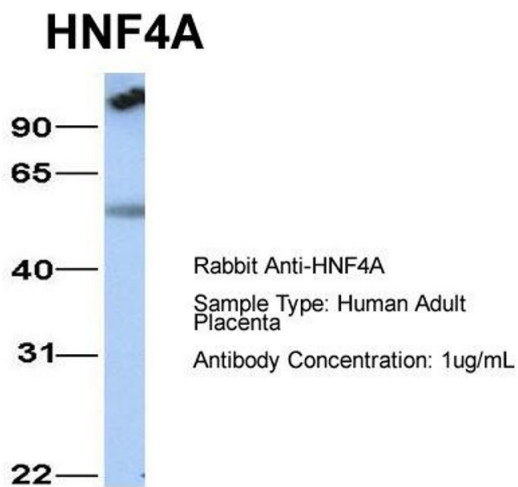
0.2-1 ug/ml

Positive Control: Human Liver



Western Blotting

Image 2. Host: Rabbit Target Name: HNF4A Sample Type:
Human Fetal Heart Antibody Dilution: 1.0ug/ml



Western Blotting

Image 3. Host: Rabbit
Target Name: HNF4A
Sample Tissue: Human Adult Placenta
Antibody Dilution: 1.0 µg/mL

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN2777514.