

Datasheet for ABIN3022870  
**anti-HNF4A antibody (AA 200-300)**

3 Images

1 Publication

[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	HNF4A
Binding Specificity:	AA 200-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HNF4A antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 200-300 of human HNF4A (NP_000448.3).
Sequence:	EWAKYIPAFCLPLDDQVAL LRAHAGEHLL LGATKRSMVF KDVLLLGNDY IVPRHCPELA EMSRVSIRIL DELVLPFQEL QIDDNEYAYL KAIIFDPDA K
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

Target: HNF4A

Alternative Name: HNF4A ([HNF4A Products](#))

Name:

Background: 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.,HNF4A,FRTS4,HNF4,HNF4a7,HNF4a8,HNF4a9,HNF4alpha,MODY,MODY1,NR2A1,NR2A21,TCF,TCF14,Epigenetic Regulation & Nuclear Signaling,Transcription Factors,Nuclear Receptor Signaling,Cancer,Signal Transduction,Cell Biology & Developmental Biology,Cell Adhesion,Wnt/ $\beta$ -Catenin Signaling Pathway,Endocrine & Metabolism,Lipid Metabolism,Cholesterol Metabolism,Cytochromes,AMPK Signaling Pathway,Endocrine and metabolic diseases,Diabetes,Stem Cells,Cardiovascular,Blood,Coagulation,Lipids,HNF4A

Molecular Weight: 43-56 kDa

Weight:

Gene ID: 3172

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: WB,1:500 - 1:2000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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 freeze / thaw cycles

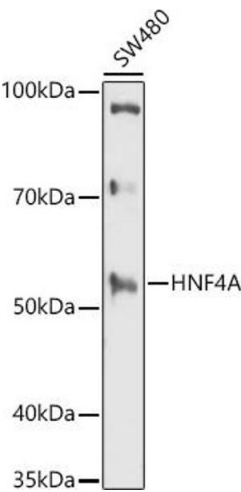
Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

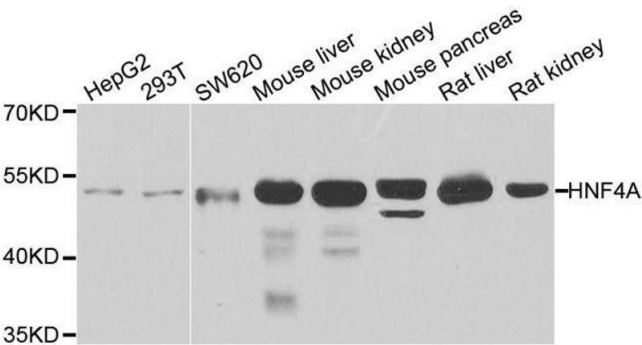
Product cited in:	Cao, Liu, Yue, Liu, Pei, Gu, Wang, Jia: "Iron chelation inhibits cancer cell growth and modulates global histone methylation status in colorectal cancer." in: <b>Biometals : an international journal on the role of metal ions in biology, biochemistry, and medicine</b> , Vol. 31, Issue 5, pp. 797-805, (2018) ( <a href="#">PubMed</a> ).
-------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Validation report #104228 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



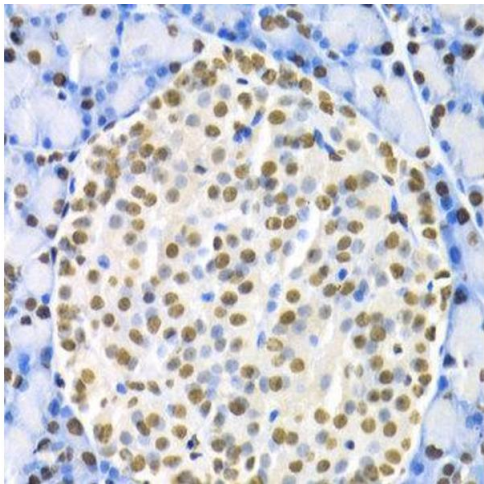
**Western Blotting**

**Image 1.** Western blot analysis of extracts of SW480 cells, using HNF4A antibody (ABIN3022869, ABIN3022870, ABIN3022871 and ABIN6219273) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



**Western Blotting**

**Image 2.** Western blot analysis of extracts of various cell lines, using HNF4A antibody.



Immunohistochemistry

Image 3.