

Datasheet for ABIN6940684  
**anti-HNF1A antibody (AA 214-339)**

## 5 Images

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## Overview

Quantity:	100 µg
Target:	HNF1A
Binding Specificity:	AA 214-339
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HNF1A antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Coating (Coat), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant fragment (around aa 214-339) of human HNF1A protein (exact sequence is proprietary)
Clone:	HNF1A-2087
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

## Target Details

Target:	HNF1A
Alternative Name:	HNF1A ( <a href="#">HNF1A Products</a> )
Background:	HNF1A belongs to the homeobox protein family and is an essential transcription factor for

## Target Details

many hepatic genes involved in detoxification, homeostasis and metabolisms of glucose, lipid, steroid and amino acid. In addition, HNF1A is an important component of the transcriptional networks governing embryonic pancreas development and differentiation. as well as maintaining the growth and function of islet cells in adult. HNF1A (Hepatocyte nuclear factor 1 alpha) is a transcription factor that is known to regulate pancreatic differentiation and maintain homeostasis of endocrine pancreas. Recently, genome-wide association studies have implicated HNF1A as a susceptibility gene for pancreatic cancer.

Molecular Weight: 79kDa

Gene ID: 6927

UniProt: [P20823](#)

Pathways: [Hormone Transport](#), [Carbohydrate Homeostasis](#)

## Application Details

Application Notes: Positive Control: Jurkat cells. Small Intestine or Pancreas.  
Known Application: ELISA (For coating, order antibody without BSA), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

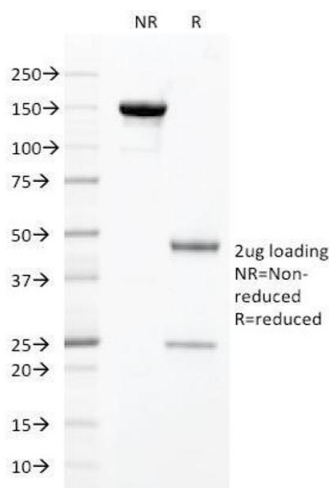
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

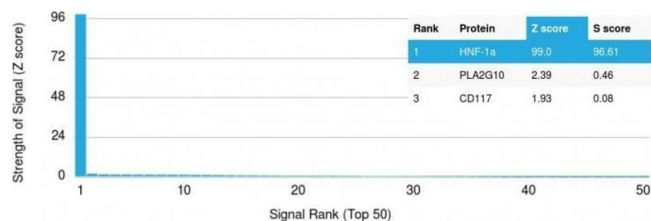
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



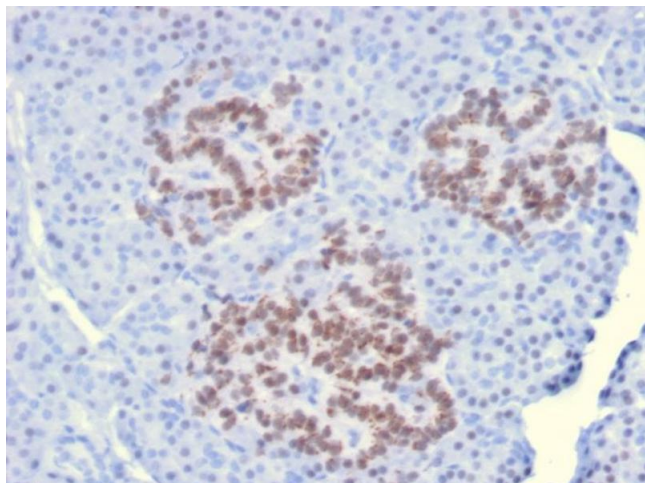
### SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified HNF1A Mouse Monoclonal Antibody (HNF1A/2087). Confirmation of Integrity and Purity of Antibody.



### Protein Array

**Image 2.** Analysis of Protein Array containing more than 19,000 full-length human proteins using HNF1A Mouse Monoclonal Antibody (HNF1A/2087). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Pancreas stained with HNF1A Mouse Monoclonal Antibody (HNF1A/2087).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6940684.