



HPA002083 Sigma-Aldrich

Anti-HNF1B antibody produced in rabbit

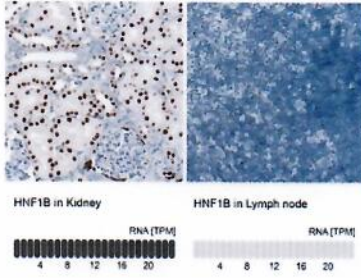


Prestige Antibodies® Powered by Atlas Antibodies, affinity isolated antibody, buffered aqueous glycerol solution

Synonym: Anti-HNF-1β, Anti-LFB3, Anti-MODY5, Anti-TCF2, Anti-VHNF1, HNF1B Antibody - Anti-HNF1B antibody produced in rabbit, Hnf1b Antibody

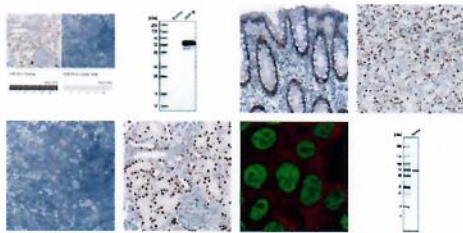
Human Protein Atlas Number HPA002083 [Human Protein Atlas - View RNA & protein expression data of this target](#)

[SDS](#) [Certificate of Analysis \(COA\)](#)



SKU-Pack Size	Availability	Pack Size	Price (CZK)	Quantity
HPA002083-100UL	Only 4 left in stock (more on the way) - FROM	100 μL	10,900.00	0

[Bulk orders?](#)



Product Recommendations

 <p>MABE971 Anti-HNF-1-beta Antibody, clone 12A5.1</p>	 <p>AMAB90733 Monoclonal Anti-HNF1B antibody produced ... Prestige Antibodies® Powered by Atlas Antibodies, clon...</p>	 <p>SAB2108151 Anti-HNF1B antibody produced in rabbit affinity isolated antibody</p>	 <p>SAB2108386 Anti-HNF1B antibody produced in rabbit IgG fraction of antiserum</p>	<p>SAB2108386 Anti-HNF1B antibody produced in rabbit IgG fraction of antiserum</p>
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Properties

Related Categories [Alphabetical Index](#), [Antibodies](#), [Antibodies for Epigenetics and Nuclear Signaling](#), [Antibodies to Transcription Factors](#), [GA - HN](#), [More...](#)

product line **Prestige Antibodies® Powered by Atlas Antibodies**

clone	polyclonal
biological source	rabbit
application(s)	immunoblotting: 0.4 µg/mL immunofluorescence: 1-4 µg/mL immunohistochemistry: 1:1000- 1:2500
species reactivity	human
enhanced validation	orthogonal RNAseq recombinant expression Learn more about Antibody Enhanced Validation
form	buffered aqueous glycerol solution
shipped in	wet ice
storage temp.	-20°C
antibody form	affinity isolated antibody
antibody product type	primary antibodies
immunogen sequence	KEVLVQALEELLPSNFGVKLETLP LSPGSGAEPDTKPVFHTLTNGHAKG RLSGDEGSEDGDDYDTPILKELQA LNTEAAEQRAEVDRLSEDPWRAA KMIKGYMQQH
UniProt accession no.	P35680
Gene Information	human ... HNF1B(6928)

Description

General description

HNF1B (hepatocyte nuclear factor 1 β), a homeodomain, is an atypical POU (Pit-1, Oct-1, and Unc-86) transcription factor which is associated with the early development and embryonic survival. It is expressed in the pancreas, kidney, lung, ovary, testis, and throughout the gastrointestinal tract.^[4]

Immunogen

Hepatocyte nuclear factor 1 β recombinant protein epitope signature tag (PrEST)

Application

Anti-HNF1B antibody produced in rabbit, a Prestige Antibody, is developed and validated by the Human Protein Atlas (HPA) project (www.proteinatlas.org).^[2] It is tested by immunohistochemistry against hundreds of normal and disease tissues.^{[1][2]} These images can be viewed on the Human Protein Atlas (HPA) site on the Image Gallery link. The antibodies are also tested using immunofluorescence and western blotting. To view these [protocols](#) and other useful information, visit sigma.com/prestige.

Applications in which this antibody has been used successfully, and the associated peer-reviewed papers, are given below.

[Immunocytochemistry \(1 paper\)](#)

Physical form

Solution in phosphate-buffered saline, pH 7.2, containing 40% glycerol and 0.02% sodium azide

Disclaimer

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or consumption or application to humans or animals.

Legal Information

Prestige Antibodies is a registered trademark of Sigma-Aldrich Co. LLC

Biochem/physiol Actions

The expression of HNF1B (hepatocyte nuclear factor 1 β) is upregulated in papillary renal cell tumours (RCTs) as well as in some conventional RCCs, renal oncocytomas, chromophobe RCCs and normal kidneys. On the other hand, its expression is suppressed in Wilms' tumours.^[2] It is a nuclear protein required for liver-specific expression. It can bind to the promoters and enhancers of a variety of genes expressed in liver along with the proximal element (PE) of the albumin

Features and Benefits

Prestige Antibodies® are highly characterized and extensively validated antibodies with the added benefit of all available characterization data for each target accessible via the Human Protein Atlas portal linked just below the product name at the top of this page. The uniqueness and low cross-reactivity of the Prestige Antibodies® to other proteins are due to a thorough selection of antigen regions, affinity purification, and stringent selection. Prestige antigen controls are available for every corresponding Prestige Antibody and can be found in the linkage section.

Every Prestige Antibody is tested in the following ways:

- IHC tissue array of 44 normal human tissues and 20 of the most common cancer type tissues.
- Protein array of 364 human recombinant protein fragments.
- Validated for multiple commonly used applications such as IHC (Immunohistochemistry), IF (Immunofluorescence), and WB (Western Blot)

Linkage

Corresponding Antigen [APREST84742](#).

Safety Information

Personal Protective Equipment	Eyeshields, Gloves, half-mask respirator (US), multi-purpose combination respirator cartridge (US)
RIDADR	NONH for all modes of transport
WGK Germany	1

Documents

Certificate of Analysis (COA)

Enter Lot Number



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[Specification Sheet](#)

[IHC Procedure \(80 KB \)](#)

[Protein Array Procedure \(79 KB \)](#)

Certificate of Origin

Enter Lot Number

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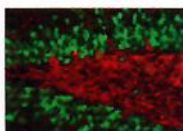
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Immunohistochemistry

Immunohistochemical staining of human parathyroid gland shows cytoplasmic positivity in glandular cells.

HPA029834
[Anti-PRKD1 antibody produced in rabbit](#)
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SAB4502272
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affinity isolated antibody



T4648
[Thrombin from bovine plasma](#)
lyophilized powder, 40-300 NIH units/mg protein (biuret)

315M9
[PD-1 \(N Antiboc](#)

Certificate of Analysis

3050 Spruce Street, Saint Louis, MO 63103 USA
Tel: (800) 521-8956 (314) 771-5765 Fax: (800) 325-5052 (314) 771-5757

Product Name	Anti-HNF1B antibody produced in rabbit
Product Number	HPA002083
Lot Number	J115974
Concentration	0.2 mg/mL
Immunohistochemistry	1:1000 – 1:2500
Western Blot	0.4 µg/mL
Immunofluorescence	1 – 4 µg/mL

Certificate is system generated and does not require a signature

MSDS available at sigma.com.

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