

Datasheet for 200-401-H78**HB9 Antibody****Overview**

Description:	Anti-HB9 (RABBIT) Antibody - 200-401-H78
Item No.:	200-401-H78
Size:	100 µg
Applications:	IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Anti-HB9 Antibody detects mouse and rat HB9. Homeobox protein HB9 is expressed in lymphoid and pancreatic tissues. It is reported to be Putative transcription factor involved in pancreas development and function. Defects in this gene causes Currarino syndrome. The triad of a presacral tumor, sacral agenesis and anorectal malformation constitutes the Currarino syndrome which is caused by dorsal-ventral patterning defects during embryonic development. It is also reported that HB9 is strongly expressed in epidermal basal cells of the outer scale face in tarsometatarsal scale skin. Anti-HB9 Antibody is ideal for investigators involved in cell cycle proteins and NFkappaB and signaling research.
Synonyms:	Hlxb9, Motor neuron and pancreas homeobox protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Mnx1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	HB9 Antibody was produced from whole rabbit serum prepared by repeated immunizations with mouse protein HB9 at an internal portion of amino acids.

Purity/Specificity: Anti-HB9 Antibody was purified by Protein A chromatography. A BLAST analysis was used to suggest cross-reactivity with Anti-HB9 from Human, Mouse and Rat based on 100% homology with the immunizing sequence. Cross-reactivity with Anti-HB9 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q9QZW9](#)

Application Details

Tested Applications:	IF, IHC, WB
Application Note:	Anti-HB9 Antibody is tested for use in WB, ICC/IF, IHC, and IHC-P. Expect a band approximately 41kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IHC:	5 µg/mL
WB:	0.5-2 µg/mL

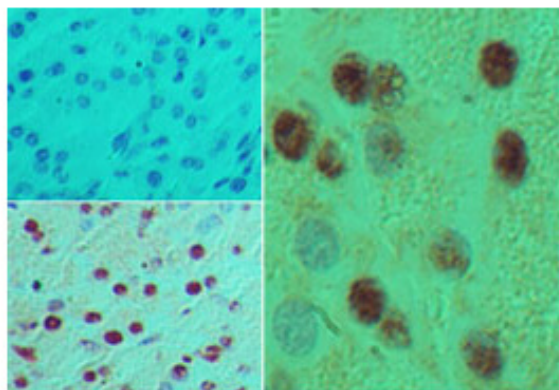
Formulation

Physical State:	Liquid
Concentration:	0.5 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide
Stabilizer:	0.05% BSA

Shipping & Handling

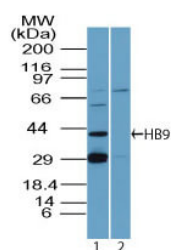
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry of Rabbit Anti-HB9 antibody. Tissue: mouse pancreas. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: HB9 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: Isotype control is top left, HB9 is stained brown.



Western Blot

Western Blot of Rabbit Anti-HB9 antibody. Lane 1: MOLT-4 cell lysates without immunizing peptide. Lane 2: MOLT-4 cell lysates with immunizing peptide. Primary antibody: GPR65 at 1 µg/mL for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 80 kDa for HB9. Other band(s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.