

Datasheet for ABIN6657592

anti-MNX1 antibody

2 Images

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Overview

Quantity:	100 µg
Target:	MNX1
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MNX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: HB9 Antibody was produced from whole rabbit serum prepared by repeated immunizations with mouse protein HB9 at an internal portion of amino acids. Immunogen Type: Peptide
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	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.

Target Details

Target:	MNX1
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Target Details

Alternative Name:	HB9 (MNX1 Products)
Background:	<p>Synonyms: Hlxb9, Motor neuron and pancreas homeobox protein 1</p> <p>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.</p> <p>Gene Name: Mnx1</p>
UniProt:	Q9QZW9

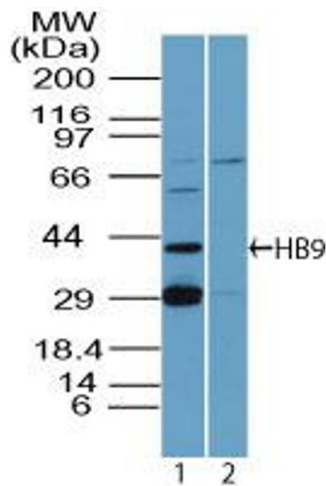
Application Details

Application Notes:	<p>Immunohistochemistry Dilution: 5 µg/mL</p> <p>Application Note: Anti-HB9 Antibody is suitable for use in IHC (p) and WB. Expect a band approximately 41 kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.</p> <p>Western Blot Dilution: 0.5-2 µg/mL</p>
Restrictions:	For Research Use only

Handling

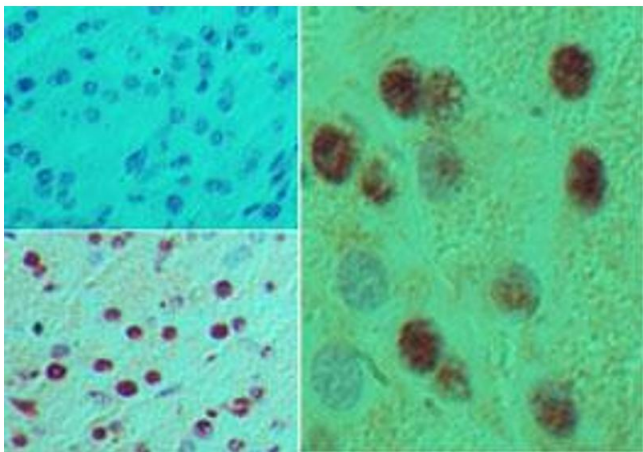
Format:	Liquid
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 0.05 % BSA</p> <p>0.05 % (w/v) Sodium Azide</p>
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	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.



Western Blotting

Image 1. HB9 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: 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.



Immunohistochemistry

Image 2. HB9 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.