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Datasheet for ABIN2776470

anti-HOXC9 antibody (Middle Region)

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Overview

Quantity:	100 µL
Target:	HOXC9
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Goat, Rabbit, Horse, Dog, Sheep, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXC9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HOXC9
Sequence:	DRAPQTLSP EADALAGSKH KEEKADLDPS NPVANWIHAR STRKKRCPYT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 79%, Rabbit: 93%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against HOXC9. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	HOXC9
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Target Details

Alternative Name: HOXC9 ([HOXC9 Products](#))

Background: HOXC9 belongs to the homeobox family. The homeobox family is a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXC genes located in a cluster on chromosome 12.

Alias Symbols: HOX3, HOX3B

Protein Interaction Partner: LPXN, ZNF384, CBX6, GTF2A1L, IRF9, NMI, PCGF2, ZFP36, POU2F1, POLR2D, HOXD9, HOXD1, HOXC13, ELAVL2, POLR3D, GMNN,

Protein Size: 260

Molecular Weight: 29 kDa

Gene ID: 3225

NCBI Accession: [NM_006897](#), [NP_008828](#)

UniProt: [P31274](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 260 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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

Handling Advice: Avoid repeated freeze-thaw cycles.

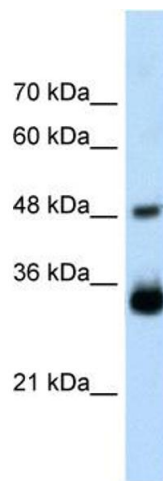
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

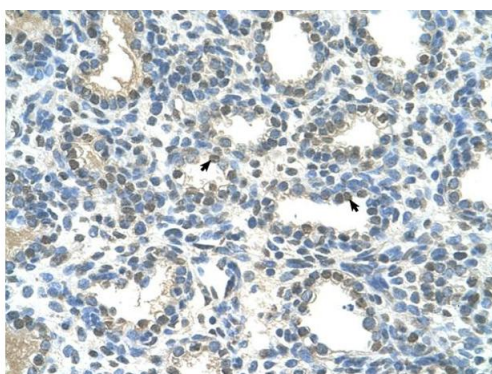
Product cited in: Braun, Sponder, Pieper, Aschenbach, Deiner: "GABA selectively increases mucin-1 expression in isolated pig jejunum." in: **Genes & nutrition**, Vol. 10, Issue 6, pp. 47, (2015) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-HOXC9 Antibody Titration: 2.5ug/ml Positive Control: Transfected 293T



Immunohistochemistry

Image 2. Human Lung

Rabbit Anti-HOXC9 Antibody
Catalog Number: ARP35813
Lot Number: QC11503
Paraffin Embedded Tissue: Human Lung
Cells with Positive label: Alveolar cells (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X