

Datasheet for ABIN2792574

## anti-HOXA10 antibody (N-Term)



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2 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	HOXA10
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Dog, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXA10 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human HOXA10
Sequence:	MSCSESPAAN SFLVDSLSS GRGEAGGGGG GAGGGGGGGY YAHGGVYLPP
Cross-Reactivity:	Human, Mouse (Murine), Rabbit, Rat (Rattus)
Predicted Reactivity:	Dog: 85%, Human: 92%, Mouse: 78%, Rabbit: 85%
Characteristics:	This is a rabbit polyclonal antibody against HOXA10. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

## Target Details

Target:	HOXA10
Alternative Name:	HOXA10 / HOX1H ( <a href="#">HOXA10 Products</a> )
Background:	<p>In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. HOXA10 is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. More specifically, it may function in fertility, embryo viability, and regulation of hematopoietic lineage commitment.</p> <p>Alias Symbols: PL, HOX1, HOX1H, HOX1.8</p> <p>Protein Interaction Partner: SPI1, COPS5, CREBBP, PBX1, SNAPC1, EMX1, POLR3D, SIRT2, GMNN, EP300, MEIS1, PTPN6, HOXA10, FOXO1,</p> <p>Protein Size: 393</p>
Molecular Weight:	41 kDa
Gene ID:	3206
NCBI Accession:	<a href="#">NM_018951</a> , <a href="#">NP_061824</a>
UniProt:	<a href="#">P31260</a>

## Application Details

Application Notes:	<p>WB Suggested Anti-HOXA10 Antibody Titration: 1.25 µg/mL</p> <p>Positive Control: HepG2 cell lysate.</p> <p>Optimal working dilutions should be determined experimentally by the investigator.</p>
Comment:	Antigen size: 393 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

## Handling

should be handled by trained staff only.

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

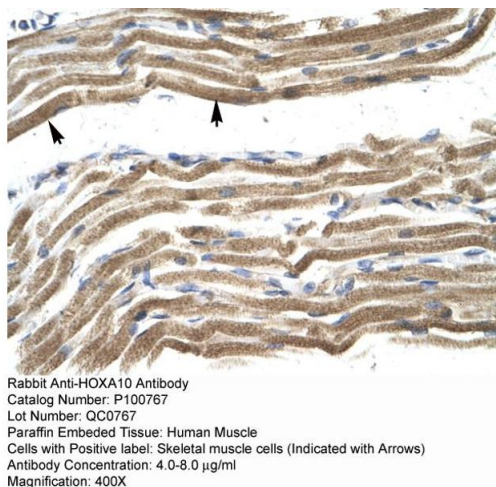
Product cited in: Larkin, Costantino, Seaman, Lavoie: "Calnuc Function in Endosomal Sorting of Lysosomal Receptors." in: **Traffic (Copenhagen, Denmark)**, Vol. 17, Issue 4, pp. 416-32, (2016) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-HOXA10 Antibody Titration:  
1.25ug/ml Positive Control: HepG2 cell lysate



### Immunohistochemistry

**Image 2.** Human Muscle