



[Go to Product page](#)

Datasheet for ABIN2777305

## anti-HOXA5 antibody (Middle Region)

4 Images

2 Publications

### Overview

Quantity:	100 µL
Target:	HOXA5
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Pig, Rabbit, Cow, Dog, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXA5 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 HOXA5
Sequence:	VGTASGAEED APASSEQASA QSEPPAPPA QPQIYPWMRK LHISHDNIGG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against HOXA5. It was validated on Western Blot.
Purification:	Affinity Purified

### Target Details

Target:	HOXA5
Alternative Name:	HOXA5 ( <a href="#">HOXA5 Products</a> )

## Target Details

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**Background:** 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. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. Methylation of this gene may result in the loss of its expression and, since the encoded protein upregulates the tumor suppressor p53, this protein may play an important role in tumorigenesis.

Alias Symbols: HOX1, HOX1.3, HOX1C, MGC9376

Protein Interaction Partner: PRMT6, TWIST1, UBC, ELAVL1, SOX2, ZNF408, GTF2A1L, SMAD1, DDIT3, PBX1, MEIS1, FOXA2, CDX4, FOXO1,

Protein Size: 270

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Molecular Weight: 29 kDa

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Gene ID: 3202

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NCBI Accession: [NM\\_019102](#), [NP\\_061975](#)

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UniProt: [Q6FG31](#)

## Application Details

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

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**Comment:** Antigen size: 270 AA

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** Lot specific

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

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**Preservative:** Sodium azide

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**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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**Handling Advice:** Avoid repeated freeze-thaw cycles.

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**Storage:** -20 °C

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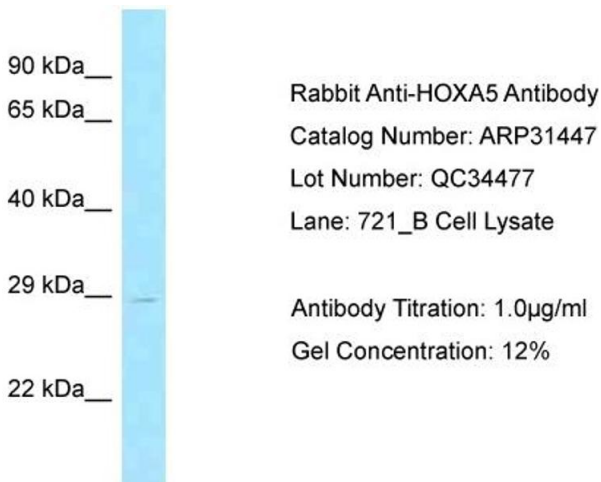
## Handling

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

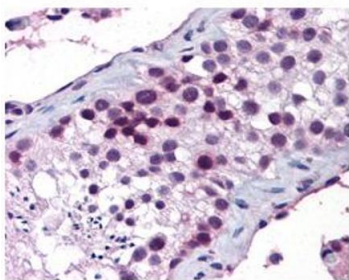
Product cited in: Mells, Fu, Sharma, Olson, Cheng, Handy, Saxena, Sorescu, Anania: "Glp-1 analog, liraglutide, ameliorates hepatic steatosis and cardiac hypertrophy in C57BL/6J mice fed a Western diet." in: **American journal of physiology. Gastrointestinal and liver physiology**, Vol. 302, Issue 2, pp. G225-35, (2012) ([PubMed](#)).

## Images



### Western Blotting

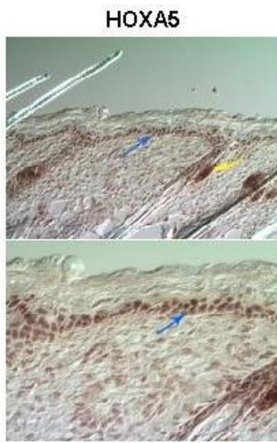
**Image 1.** WB Suggested Anti-HOXA5 Antibody Titration: 0.2-1 ug/ml Positive Control: 721\_B cell lysate



**HOXA5 (ARP31447\_P050)**  
Immunohistochemistry

### Immunohistochemistry

**Image 2.**



**Brown: HOXA5**

See IHC 2 Data and Customer Feedback for more Information

### Immunohistochemistry

**Image 3.** Sample Type : Mouse dorsal skin -5d postnatal  
Primary Antibody Dilution : 1:200 Secondary Antibody : Anti-rabbit-HRP Secondary Antibody Dilution : 1:500 Color/Signal Descriptions : Brown: HOXA5 Gene Name : HOXA5  
Submitted by : Alexander Awgulewitsch, Ph.D. Associate Professor - Dept. of Medicine Director - MUSC Transgenic Mouse Core Medical University of South Carolina (MUSC)96 Jonathan Lucas St. / Suite 912 CSB Charleston, SC 29425

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2777305.