

**HOXA3 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9890B****Specification**

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**HOXA3 Antibody (C-term) - Product Information**

Application	FC, IHC-P, WB,E
Primary Accession	<a href="#">O43365</a>
Other Accession	<a href="#">O42368</a> , <a href="#">P02831</a> , <a href="#">O93353</a> , <a href="#">Q08DG7</a>
Reactivity	Human
Predicted	Bovine, Chicken, Mouse, Zebrafish
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	413-440

**HOXA3 Antibody (C-term) - Additional Information****Gene ID** 3200**Other Names**

Homeobox protein Hox-A3, Homeobox protein Hox-1E, HOXA3, HOX1E

**Target/Specificity**

This HOXA3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 413-440 amino acids from the C-terminal region of human HOXA3.

**Dilution**

FC~~1:10~50

IHC-P~~1:100

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HOXA3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HOXA3 Antibody (C-term) - Protein Information****Name** HOXA3

## Synonyms HOX1E

**Function** Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis.

## Cellular Location

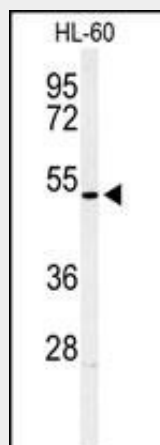
Nucleus.

## HOXA3 Antibody (C-term) - Protocols

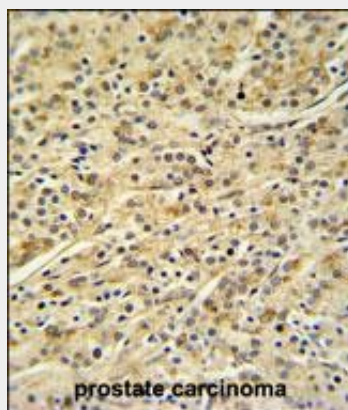
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## HOXA3 Antibody (C-term) - Images

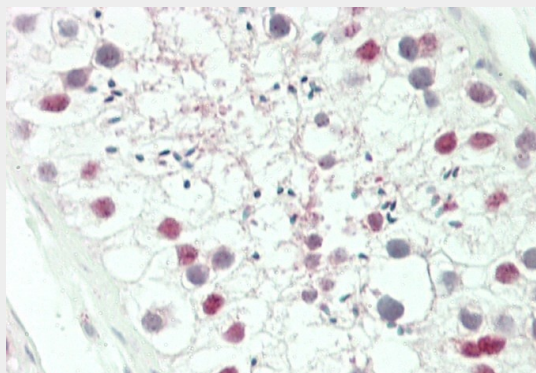


Western blot analysis of HOXA3 Antibody (C-term) (Cat. #AP9890b) in HL-60 cell line lysates (35ug/lane). HOXA3 (arrow) was detected using the purified Pab.

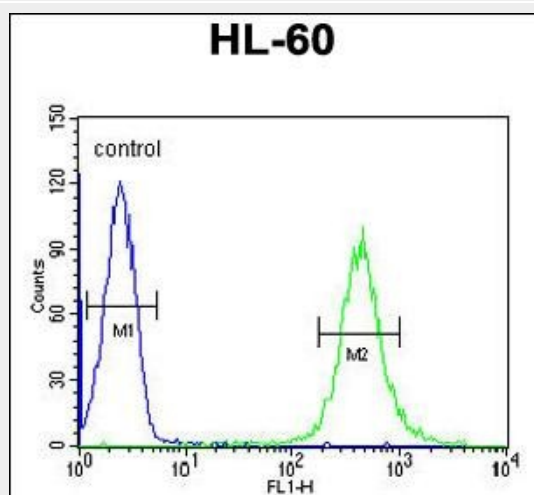


HOXA3 Antibody (C-term) (Cat. #AP9890b) IHC analysis in formalin fixed and paraffin embedded

prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the HOXA3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Formalin-fixed and paraffin-embedded H.testis tissue reacted with HOXA3 Antibody (C-term) (Cat#AP9890b).



HOXA3 Antibody (C-term) (Cat. #AP9890b) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### HOXA3 Antibody (C-term) - 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.

### HOXA3 Antibody (C-term) - References

- Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)
- Chung, N., et al. Mol. Biol. Rep. 36(2):227-235(2009)
- Wissmuller, S., et al. Nucleic Acids Res. 34(6):1735-1744(2006)
- Manzanares, M., et al. EMBO J. 21(3):365-376(2002)