



## HOXA3 Antibody

Cat. No.: 28-751



Antibody used in WB on Mouse NIH-3T3  
at 1.25 ug/ml.

## Ψ SPECIFICATIONS

<b>HOST SPECIES:</b>	Rabbit
<b>SPECIES REACTIVITY:</b>	Mouse
<b>IMMUNOGEN:</b>	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of mouse HOXA3.
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	HOXA3 antibody can be used for detection of HOXA3 by ELISA at 1:1562500. HOXA3 antibody can be used for detection of HOXA3 by western blot at 1.25 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1282 - 3T3 (NIH) Cell Lysate
<b>PREDICTED MOLECULAR WEIGHT:</b>	49 kDa

## Ψ PROPERTIES

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<b>PURIFICATION:</b>	Antibody is purified by protein A chromatography method.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>CONCENTRATION:</b>	batch dependent
<b>STORAGE CONDITIONS:</b>	For short periods of storage (days) store at 4°C. For longer periods of storage, store HOXA3 antibody at -20°C. As with any antibody avoid repeat freeze-thaw cycles.

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## Ψ ADDITIONAL INFO

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<b>OFFICIAL SYMBOL:</b>	HOXA3
<b>ALTERNATE NAMES:</b>	HOXA3, Mo-10, Hox-1.5
<b>ACCESSION NO.:</b>	NP_034582
<b>PROTEIN GI NO.:</b>	46275824
<b>GENE ID:</b>	15400
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.

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## Ψ BACKGROUND AND REFERENCES

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<b>BACKGROUND:</b>	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. The HOXA3 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
<b>REFERENCES:</b>	1) Zhang, Z., et al., (2005) Development 132 (23), 5307-5315.

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