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Datasheet for ABIN6141940  
**anti-HOXA7 antibody (AA 1-120)**

1 Image

Overview

Quantity:	100 µL
Target:	HOXA7
Binding Specificity:	AA 1-120
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXA7 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-120 of human HOXA7 (NP_008827.2).
Sequence:	MSSSYVNAL FSKYTAGASL FQNAEPTSCS FAPNSQRSGY GAGAGAFASV VPGLYVNSP LYQSPFASGY GLGADAYGNL PCASYDQNIPLGLCSDLAKGA CDKTDEGALH GAAEANFRIY
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	HOXA7
Alternative Name:	HOXA7 ( <a href="#">HOXA7 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. 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. For example, the encoded protein represses the transcription of differentiation-specific genes during keratinocyte proliferation, but this repression is then overcome by differentiation signals. This gene is highly similar to the antennapedia (Antp) gene of <i>Drosophila</i>.,HOXA7,ANTP,HOX1,HOX1.1,HOX1A,Epigenetics &amp; Nuclear Signaling,Transcription Factors,HOXA7</p>
Molecular Weight:	25 kDa
Gene ID:	3204
UniProt:	<a href="#">P31268</a>

## Application Details

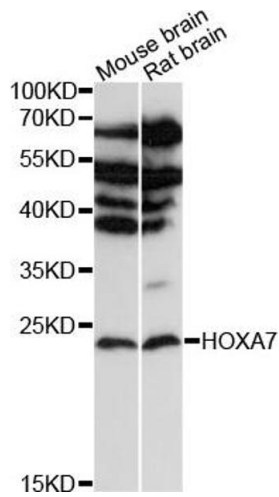
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Application Notes:	WB,1:1000 - 1:2000
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using HOX antibody (ABIN6128063, ABIN6141940, ABIN6141941 and ABIN6216689) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.