

Hox-A7 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP04189
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human HOXA7. AA range:91-140
Mol wt	25385
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Hox-A7 Antibody
Synonyms	HOXA7; HOX1A; Homeobox protein Hox-A7; Homeobox protein Hox 1.1; Homeobox protein Hox-1A

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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. HOXA7 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, Homeobox protein Hox-A7 represses the transcription of differentiation-specific genes during keratinocyte proliferation, but this repression is then overcome by differentiation signals. HOXA7 is highly similar to the antennapedia (Antp) gene of *Drosophila*.

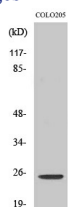
Recommended Dilution

WB: 1: 500 - 1: 2000

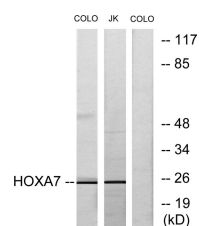
ELISA: 1: 40000

Not yet tested in other applications.

Images



Western Blot analysis of various cells using Hox-A7 Polyclonal Antibody cells nucleus.



Western blot analysis of lysates from COLO205 and Jurkat cells, using HOXA7 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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