

## Hox-A7 Polyclonal Antibody

<b>Catalog No :</b>	YT2213
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	Hox-A7
<b>Gene Name :</b>	HOXA7
<b>Protein Name :</b>	Homeobox protein Hox-A7
<b>Human Gene Id :</b>	3204
<b>Human Swiss Prot No :</b>	P31268
<b>Mouse Gene Id :</b>	15404
<b>Mouse Swiss Prot No :</b>	P02830
<b>Rat Swiss Prot No :</b>	P09634
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human HOXA7. AA range:91-140
<b>Specificity :</b>	Hox-A7 Polyclonal Antibody detects endogenous levels of Hox-A7 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 25kD

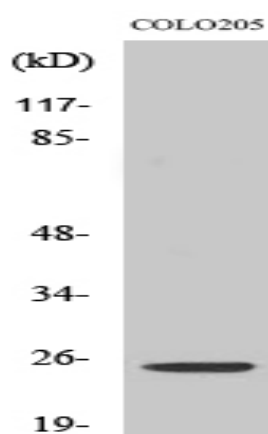
**Background :** In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. 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 *Drosophila*. [provided by RefSeq, Jul 2008],

**Function :** 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.,similarity:Belongs to the Antp homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,

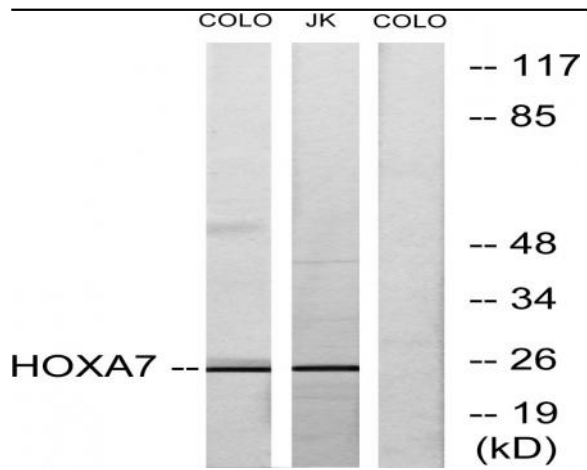
**Subcellular Location :** Nucleus.

**Expression :** Placenta,

## Products Images



Western Blot analysis of various cells using Hox-A7 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



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