

## **Hox-A7 Polyclonal Antibody**

Catalog No: YT2213

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;ELISA

Target: Hox-A7

Gene Name: HOXA7

**Protein Name:** Homeobox protein Hox-A7

P31268

P02830

Human Gene ld: 3204

**Human Swiss Prot** 

No:

Mouse Gene Id: 15404

**Mouse Swiss Prot** 

No:

Rat Swiss Prot No: P09634

**Immunogen:** The antiserum was produced against synthesized peptide derived from human

HOXA7. AA range:91-140

**Specificity:** Hox-A7 Polyclonal Antibody detects endogenous levels of Hox-A7 protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

1/3

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

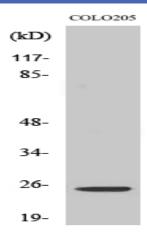
family., similarity: Contains 1 homeobox DNA-binding domain.,

Subcellular Location :

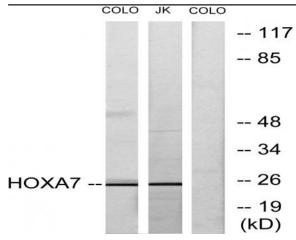
Nucleus.

**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.