



# Hox-A7 Polyclonal Antibody

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|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-15763                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Reactivity</b>                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>                | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>                   | HOXA7                                                                                                                                                                                                                                                                                                                                                                             |
| <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>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                             |
| <b>Dilution</b>                    | Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.                                                                                                                                                                                                                                                                                               |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>                    | HOX1A;HOX1.1;HOX1;Homeobox protein Hox-A7;Homeobox protein Hox-1A; Hox-A7;HOXA7;Homeobox protein Hox 1.1                                                                                                                                                                                                                                                                          |
| <b>Observed Band</b>               | 25kD                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Calculated Molecular Weight</b> | 25kD                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cell Pathway</b>                | Nucleus.                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Tissue Specificity</b>          | Placenta,                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Function</b>                    | 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.,                                                                                   |
| <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. 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],

**matters needing attention**

Avoid repeated freezing and thawing!

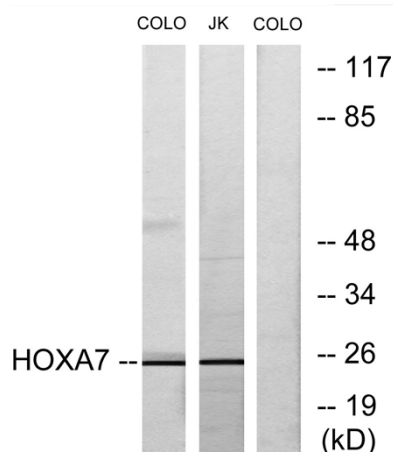
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## 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.