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HOXA7 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant HOXA7.
Catalog # AT2407a

Specification

HOXA7 Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	P31268
Other Accession	NM_006896
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**25355**

HOXA7 Antibody (monoclonal) (M01) - Additional Information

Gene ID 3204

Other Names
Homeobox protein Hox-A7, Homeobox protein Hox 11, Homeobox protein Hox-1A, HOXA7, HOX1A

Target/Specificity
HOXA7 (NP_008827, 58 a.a. ~ 112 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
E~~N/A

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
HOXA7 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

HOXA7 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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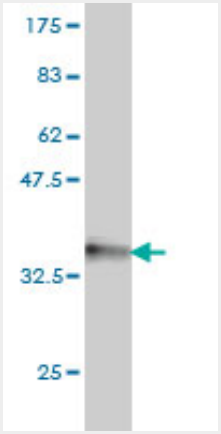
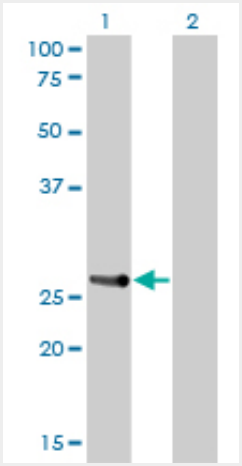
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HOXA7 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (31.79 KDa) .



Western Blot analysis of HOXA7 expression in transfected 293T cell line by HOXA7 monoclonal antibody (M01), clone 2F2.

Lane 1: HOXA7 transfected lysate(25.4 KDa).
Lane 2: Non-transfected lysate.

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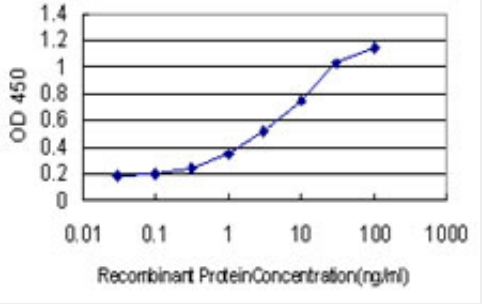

Detection limit for recombinant GST tagged HOXA7 is approximately 0.1ng/ml as a capture antibody.

HOXA7 Antibody (monoclonal) (M01) - 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.

HOXA7 Antibody (monoclonal) (M01) - References

1.HOX gene analysis of endothelial cell differentiation in human bone marrow-derived mesenchymal stem cells.Chung N, Jee BK, Chae SW, Jeon YW, Lee KH, Rha HK.Mol Biol Rep. 2009 Feb;36(2):227-35. Epub 2007 Oct 30.