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HOXA7 Antibody (monoclonal) (M01)

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

Product Information

Application	WB, E
Primary Accession	P31268
Other Accession	NM_006896
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2F2
Calculated MW	25355

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.

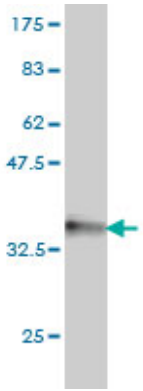
Background

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.

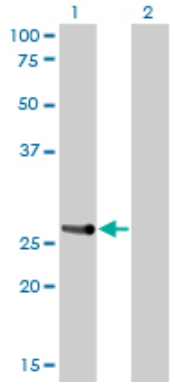
References

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.

Images

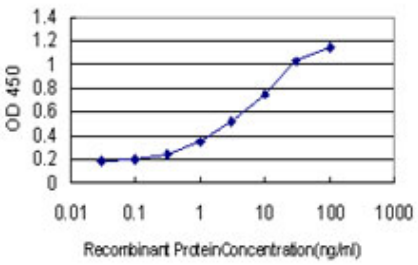


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (31.79 KDa) .



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.



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.