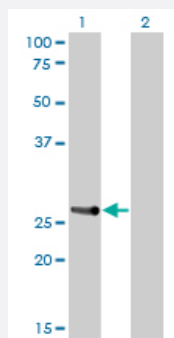


HOXA7 monoclonal antibody (M01), clone 2F2

Catalog # H00003204-M01

Size 100 ug

Applications

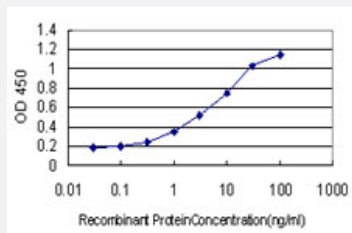


Western Blot (Transfected lysate)

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

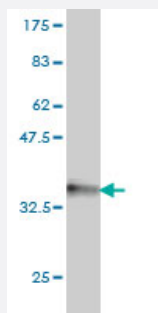
Lane 1: HOXA7 transfected lysate(25.4 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (31.79 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant HOXA7.

Immunogen	HOXA7 (NP_008827, 58 a.a. ~ 112 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NSPLYQSPFASGYGLGADAYGNLPCASYDQNIPGLCSDLAKGACDKTDEGALHGA
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (31.79 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — HOXA7

Entrez GeneID [3204](#)

GeneBank Accession# [NM_006896](#)

Protein Accession#	NP_008827
Gene Name	HOXA7
Gene Alias	ANTP, HOX1, HOX1.1, HOX1A
Gene Description	homeobox A7
Omim ID	142950
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000024835 homeobox A7 homeobox protein HOX-1A

Publication Reference

- [Molecular features and vulnerabilities of recurrent chordomas.](#)

Carolyn Seeling, André Lechel, Michael Svinarenko, Peter Möller, Thomas F E Barth, Kevin Mellert.

Journal of Experimental & Clinical Cancer Research 2021 Jul; 40(1):244.

Application: WB-Tr, Human, U-CH1 cells

- [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.

Molecular Biology Reports 2007 Oct; 36(2):227.

Application: WB, Human, Human bone marrow-derived mesenchymal stem cells (hMSCs)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)