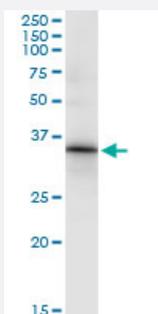


# HOXC8 monoclonal antibody (M02), clone 1H2

Catalog # H00003224-M02

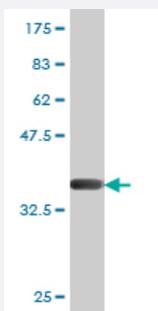
Size 100 ug

## Applications



### Immunoprecipitation

Immunoprecipitation of HOXC8 transfected lysate using anti-HOXC8 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with HOXC8 MaxPab rabbit polyclonal antibody.



Western Blot detection against Immunogen (35.64 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant HOXC8.
<b>Immunogen</b>	HOXC8 (NP_073149, 47 a.a. ~ 136 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	PGFQHASHHVQDFFHGTSGISNSGYQQNPCSLSCHGDASKFYGYEALPRQSLYGAQQEASVV QYPDCKSSANTNSSEGGHNLNQNSSPS
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgG1 Kappa

<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of HOXC8 transfected lysate using anti-HOXC8 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with HOXC8 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- ELISA

## Gene Info — HOXC8

<b>Entrez GeneID</b>	<a href="#">3224</a>
<b>GeneBank Accession#</b>	<a href="#">NM_022658</a>
<b>Protein Accession#</b>	<a href="#">NP_073149</a>
<b>Gene Name</b>	HOXC8
<b>Gene Alias</b>	HOX3, HOX3A
<b>Gene Description</b>	homeobox C8
<b>Omim ID</b>	<a href="#">142970</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**Gene Summary**

This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXC genes located in a cluster on chromosome 12. The product of this gene may play a role in the regulation of cartilage differentiation. It could also be involved in chondrodysplasias or other cartilage disorders. [provided by RefSeq]

**Other Designations**

Hox-3.1, mouse, homolog of homeobox 3A/homeobox C8/homeobox protein Hox-C8

**Publication Reference**

- [NAT10/ac4C/FOXP1 Promotes Malignant Progression and Facilitates Immunosuppression by Reprogramming Glycolytic Metabolism in Cervical Cancer.](#)

Xiaona Chen, Yi Hao, Yong Liu, Sheng Zhong, Yuehua You, Keyi Ao, Tuotuo Chong, Xiaomin Luo, Minuo Yin, Ming Ye, Hui He, Anwei Lu, Jianjun Chen, Xin Li, Jian Zhang, Xia Guo.

Advanced Science (Weinheim, Baden-Württemberg, Germany) 2023 Oct; 13(10):e2302705.

Application: WB-Ce, Human, SiHa, CaSki cells

- [DLX5 and HOXC8 enhance the chondrogenic differentiation potential of stem cells from apical papilla via LINC01013.](#)

Haoqing Yang, Yangyang Cao, Jianpeng Zhang, Yuncun Liang, Xiaomin Su, Chen Zhang, Huina Liu, Xiao Han, Lihua Ge, Zhipeng Fan.

Stem Cell Research & Therapy 2020 Jul; 11(1):271.

Application: IP, WB-Tr, Human, Stem cells from apical papilla

- [Homeobox C8 inhibited the osteo-/dentinogenic differentiation and migration ability of stem cells of the apical papilla via activating KDM1A.](#)

Yang H, Liang Y, Cao Y, Cao Y, Fan Z.

Journal of Cellular Physiology 2020 Nov; 235(11):8432.

Application: ChIP, WB-Tr, Human, SCAPs