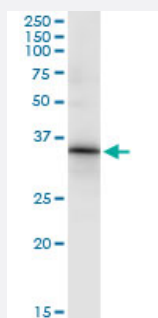


HOXC8 monoclonal antibody (M02), clone 1H2

Catalog # H00003224-M02

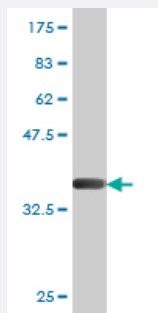
Size 100 ug

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

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

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (35.64 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 (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

Entrez GeneID

[3224](#)

GeneBank Accession#

[NM_022658](#)

Protein Accession#

[NP_073149](#)

Gene Name

HOXC8

Gene Alias

HOX3, HOX3A

Gene Description

homeobox C8

Omim ID

[142970](#)

Gene Ontology

[Hyperlink](#)

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 homeo box 3A|homeo box 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