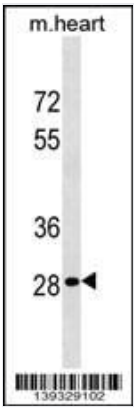
HOXB13 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HOXB13, Polyclonal Antibody
Full Product Name	HOXB13, CT (HOXB13, Homeobox protein Hox-B13) (Biotin)
Product Gene Name	anti-HOXB13 antibody
Product Synonym Names	HOXB13; Homeobox protein Hox-B13
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human Predicted: Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	30,676 Da
OMIM	176807
3D Structure	ModBase 3D Structure for Q92826
Immunogen	HOXB13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 222-251 amino acids from the C-terminal region of human HOXB13.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-HOXB13 antibody	Antibodies; Transcription Factors; Zinc; Ring; Homeobox
Applications Tested/Suitable for anti-HOXB13 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-HOXB13 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-HOXB13 antibody	This gene encodes a transcription factor that belongs to the homeobox gene family. Genes of this family are highly conserved among vertebrates and essential for vertebrate embryonic development. This gene has been implicated to play a role in fetal skin development and cutaneous regeneration. In mice, a similar gene was shown to exhibit temporal and spatial colinearity in the main body axis of the embryo, but was not expressed in the secondary axes, which suggests functions in body patterning along the axis. This gene and other HOXB genes form a gene cluster at chromosome the 17q21-22 region.
Product References and Citations for anti-HOXB13 antibody	McMullin, R.P., et al. Proc. Natl. Acad. Sci. U.S.A. 107(1):98-103(2010). Kim, Y.R., et al. Mol. Cancer 9, 124 (2010): Norris, J.D., et al. Mol. Cell 36(3):405-416(2009). Goetz, M.P., et al. Clin. Cancer Res. 14(18):5864-5868(2008). Rodriguez, B.A., et al. Carcinogenesis 29(7):1459-1465(2008).

Other Notes	Small volumes of anti-HOXB13 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HOXB13 purchase	MBS6307805 is an antibody targeting HOXB13. Also known as HOXB13, CT (HOXB13, Homeobox protein Hox-B13) (Biotin). Reactive in Human Predicted: Mouse. Host: Rabbit.



Western Blot (WB) of anti-HOXB13 antibody
HOXB13 Antibody (C-term) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the HOXB13 antibody detected the HOXB13 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HOXB13. It may not necessarily be applicable to this product.

NCBI GI #	62865866
NCBI GeneID	10481
NCBI Accession #	NP_006352.2
UniProt Primary Accession #	Q92826
UniProt Secondary Accession #	Q96QM4; Q99810; B2R878
UniProt Related Accession #	Q92826
GenBank Nucleotide #	NM_006361.5
NCBI Official Full Name	homeobox protein Hox-B13
NCBI Official Synonym Full Names	homeobox B13
NCBI Official Symbol	HOXB13
NCBI Official Synonym Symbols	PSGD
UniProt Protein Name	Homeobox protein Hox-B13
Protein Family	Homeobox protein
UniProt Gene Name	HOXB13
UniProt Entry Name	HXB13_HUMAN
NCBI Protein Information	homeobox protein Hox-B13

UniProt Comments for HOXB13	HOXB13: Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Belongs to the Abd-B homeobox family. Protein type: Transcription factor; DNA-binding Chromosomal Location of Human Ortholog: 17q21.2 Cellular Component: nucleoplasm; transcription factor complex Molecular Function: sequence-specific DNA binding Biological Process: epidermis development; regulation of transcription, DNA-dependent; transcription, DNA-dependent; regulation of growth; response to wounding; response to testosterone stimulus; angiogenesis
Research Articles on HOXB13	**1.** The results suggest that the HOXB13-mediated promotion of tumor cell invasion is accomplished mainly through the downregulation of PDEF expression.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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