BARX1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BARX1, Polyclonal Antibody
Full Product Name	BARX1 Antibody, FITC conjugated
Product Gene Name	anti-BARX1 antibody
Product Synonym Names	Homeobox protein BarH-like 1; BARX1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	>95%, Protein G Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: BARX1 (MBS7005699) FITC Conjugated Antibody: BARX1 (MBS1492011)
Molecular Weight	11,481 Da
OMIM	603260
3D Structure	ModBase 3D Structure for Q9HBU1
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	FITC
Immunogen	Recombinant human Homeobox protein BarH-like 1 protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-49377 / sc-49379 / sc-99053
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-BARX1 antibody	ELISA (EIA)
Related Product Information for anti-BARX1 antibody	Transcription factor, which is involved in craniofacial development, in odontogenesis and in stomach organogenesis. May have a role in the differentiation of molars from incisors. Plays a role in suppressing endodermal Wnt activity (By similarity). Binds to a regulatory module of the NCAM promoter.
Other Notes	Small volumes of anti-BARX1 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 BARX1 purchase	MBS1492011 is an antibody targeting BARX1. Also known as BARX1 Antibody, FITC conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BARX1. It may not necessarily be applicable to this product.

NCBI GI #	153218470

NCBI GeneID	56033
NCBI Accession #	NP_067545.3
UniProt Primary Accession #	Q9HBU1
UniProt Secondary Accession #	Q6P2R4; Q96GH8
UniProt Related Accession #	Q9HBU1
GenBank Nucleotide #	NM_021570.3
NCBI Official Full Name	homeobox protein BarH-like 1
NCBI Official Synonym Full Names	BARX homeobox 1
NCBI Official Symbol	BARX1
UniProt Protein Name	Homeobox protein BarH-like 1
Protein Family	Homeobox protein
UniProt Gene Name	BARX1
UniProt Entry Name	BARX1_HUMAN
NCBI Protein Information	homeobox protein BarH-like 1
NCBI Summary for BARX1	This gene encodes a member of the Bar subclass of homeobox transcription factors. Studies of the mouse and chick homolog suggest the encoded protein may play a role in developing teeth and craniofacial mesenchyme of neural crest origin. The protein may also be associated with differentiation of stomach epithelia. [provided by RefSeq, Jul 2008]
UniProt Comments for BARX1	BARX1: Transcription factor, which is involved in craniofacial development, in odontogenesis and in stomach organogenesis. May have a role in the differentiation of molars from incisors. Plays a role in suppressing endodermal Wnt activity. Binds to a regulatory module of the NCAM promoter. Belongs to the BAR homeobox family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding; Transcription factor Chromosomal Location of Human Ortholog: 9q12 Cellular Component: nucleus Molecular Function: transcription factor activity Biological Process: anterior/posterior pattern formation; cell-cell signaling; epithelial cell differentiation; negative regulation of Wnt receptor signaling pathway; nervous system development; organ development; positive regulation of transcription from RNA polymerase II promoter; regulation of transcription from RNA polymerase II promoter; spleen development; tissue development; transcription from RNA polymerase II promoter
Research Articles on BARX1	**1.** Regional expression of barx1 was observed in epithelium before mixed dentition, while during mixed dentition gene appeared in hyaline cartilage. Expression of barx1 appears in cleft lip palate affected structures mainly in mixed dentition.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/barx1/1492011