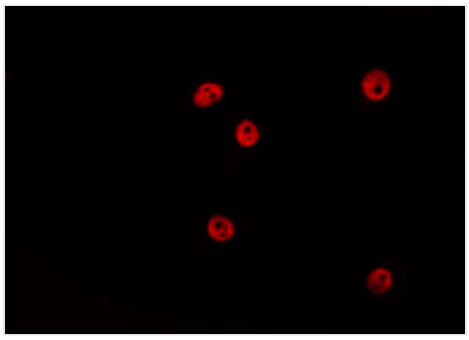
HOXA5 Antibody – Rabbit Polyclonal

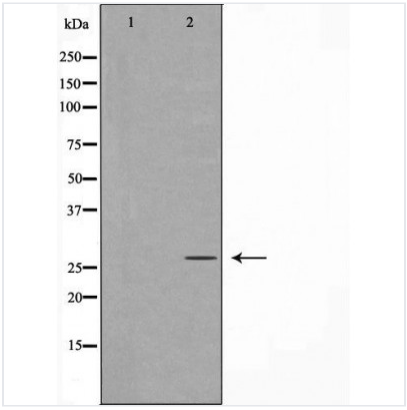
PRODUCT OVERVIEW

Product Name	HOXA5, Polyclonal Antibody
Full Product Name	HOXA5 Antibody
Product Gene Name	anti-HOXA5 antibody
Product Synonym Names	Homeo box 1C; Homeo box A5; Homeobox A5; Homeobox protein Hox-1C; Homeobox protein Hox-A5; Homeobox protein HOXA5; HOX 1; HOX 1.3; HOX 1C; HOX1; HOX1.3; HOX1C; HOXA5; HXA5_HUMAN; MGC9376; OTTHUMP00000217259
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	HOXA5 antibody detects endogenous levels of total HOXA5
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	HOXA5 peptide (MBS9624295) is used for blocking the activity of HOXA5 antibody (MBS9605578)
Molecular Weight	Predicted: 30 kDa
3D Structure	ModBase 3D Structure for P20719
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Expressed during embryogenesis and in adult kidney.
Predicted Cross Reactivity	**Pig, Bovine, Horse, Rabbit, Dog**
Similarity	Pig (100%), Bovine (100%), Horse (100%), Rabbit (90%), Dog (100%)
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HOXA5 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-HOXA5 antibody	WB: 1:500-1:1000 IF/ICC: 1:100-1:500
Related Product Information for anti-HOXA5 antibody	Function: Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Also binds to its own promoter. Binds specifically to the motif 5'-CYYNATTA[TG]Y-3'. Similarity: Belongs to the Antp homeobox family.

Other Notes	Small volumes of anti-HOXA5 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 HOXA5 purchase	MBS9605578 is an antibody targeting HOXA5. Also known as HOXA5 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Immunofluorescence (IF) of anti-HOXA5 antibody
MBS9605578 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



Western Blot (WB) of anti-HOXA5 antibody
Western blot analysis of extracts from Jurkat cells, using HXA5 antibody., The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HOXA5. It may not necessarily be applicable to this product.

NCBI GI #	24497517
NCBI GeneID	3202
NCBI Accession #	NP_061975.2
UniProt Primary Accession #	P20719
UniProt Secondary Accession #	O43367; Q96CY6; A4D179
UniProt Related Accession #	P20719
GenBank Nucleotide #	NM_019102.3
NCBI Official Full Name	homeobox protein Hox-A5
NCBI Official Synonym Full Names	homeobox A5
NCBI Official Symbol	HOXA5
NCBI Official Synonym Symbols	HOX1; HOX1C; HOX1.3
UniProt Protein Name	Homeobox protein Hox-A5
UniProt Synonym Protein Names	Homeobox protein Hox-1C
Protein Family	Homeobox protein
UniProt Gene Name	HOXA5
UniProt Synonym Gene Names	HOX1C
NCBI Protein Information	homeobox protein Hox-A5

NCBI Summary for HOXA5	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. Methylation of this gene may result in the loss of its expression and, since the encoded protein upregulates the tumor suppressor p53, this protein may play an important role in tumorigenesis. [provided by RefSeq, Jul 2008]
UniProt Comments for HOXA5	Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Also binds to its own promoter. Binds specifically to the motif 5'-CYYNATTA[TG]Y-3'.
Research Articles on HOXA5	**1.** Research demonstrated that depletion of HOXA5 inhibited osteogenic differentiation and repressed cell proliferation by arresting cell cycle progression at the S phase via p16(INK4A) , p18(INK4C) , and Cyclin A in SCAPs, indicating that HOXA5 has a significant role in maintaining the proliferation and differentiation potential of dental-tissue-derived MSCs.
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-mouse-rat-antibody/hoxa5/9605578