HOX-A1 Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	Hox-A1, Polyclonal Antibody
Full Product Name	Hox-A1 Polyclonal Antibody
Product Gene Name	anti-Hox-A1 antibody
Clonality	Polyclonal
Molecular Weight	24,489 Da
OMIM	142955
3D Structure	ModBase 3D Structure for P49639
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-Hox-A1 antibody	MBS8523189 is an antibody targeting Hox-A1. Also known as Hox-A1 Polyclonal Antibody.
Other Notes	Small volumes of anti-Hox-A1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Hox-A1. It may not necessarily be applicable to this product.

NCBI GI #	5031761
NCBI GeneID	3198
NCBI Accession #	NP_005513.1
UniProt Primary Accession #	P49639
UniProt Secondary Accession #	O43363; A4D184; B2R8U7
UniProt Related Accession #	P49639
GenBank Nucleotide #	NM_005522.4
NCBI Official Full Name	homeobox protein Hox-A1 isoform a
NCBI Official Synonym Full Names	homeobox A1
NCBI Official Symbol	HOXA1
NCBI Official Synonym Symbols	BSAS; HOX1; HOX1F
UniProt Protein Name	Homeobox protein Hox-A1
UniProt Synonym Protein Names	Homeobox protein Hox-1F
Protein Family	Homeobox protein
UniProt Gene Name	HOXA1
UniProt Synonym Gene Names	HOX1F
NCBI Protein Information	homeobox protein Hox-A1

NCBI Summary for Hox-A1	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. The encoded protein may be involved in the placement of hindbrain segments in the proper location along the anterior-posterior axis during development. Two transcript variants encoding two different isoforms have been found for this gene, with only one of the isoforms containing the homeodomain region. [provided by RefSeq, Jul 2008]
UniProt Comments for Hox-A1	Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Acts on the anterior body structures. Seems to act in the maintenance and/or generation of hindbrain segments.
Research Articles on Hox-A1	**1.** Study identified HOXA1 as a direct target of miR-30e. Its expression is down-regulated by miR-30e played leading to suppressed lung cancer cell growth.
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