HOXB5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HOXB5, Polyclonal Antibody
Full Product Name	HOXB5 Polyclonal Antibody
Product Gene Name	anti-HOXB5 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	29kDa
OMIM	142960
3D Structure	ModBase 3D Structure for P09067
Immunogen	Recombinant protein of human HOXB5 (NP_002138.1).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HOXB5 antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-HOXB5 antibody	WB: 1:500-1:2000 IF: 1:50-1:200
Related Product Information for anti-HOXB5 antibody	This gene is a member of the Antp homeobox family and encodes a nuclear protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded protein functions as a sequence-specific transcription factor that is involved in lung and gut development. Increased expression of this gene is associated with a distinct biologic subset of acute myeloid leukemia (AML) and the occurrence of bronchopulmonary sequestration (BPS) and congenital cystic adenomatoid malformation (CCAM) tissue.
Other Notes	Small volumes of anti-HOXB5 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 HOXB5 purchase	MBS8573761 is an antibody targeting HOXB5. Also known as HOXB5 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HOXB5. It may not necessarily be applicable to this product.

NCBI GI #	4504469
NCBI GeneID	3215
NCBI Accession #	NP_002138.1
UniProt Primary Accession #	P09067

UniProt Related Accession #	P09067
GenBank Nucleotide #	NP_002138.1
NCBI Official Full Name	homeobox protein Hox-B5
NCBI Official Synonym Full Names	homeobox B5
NCBI Official Symbol	HOXB5
NCBI Official Synonym Symbols	HOX2; HU-1; HOX2A; Hox2.1; HHO.C10
UniProt Protein Name	Homeobox protein Hox-B5
UniProt Synonym Protein Names	Homeobox protein HHO.C10; Homeobox protein Hox-2A; Homeobox protein Hu-1
Protein Family	Homeobox protein
UniProt Gene Name	HOXB5
UniProt Synonym Gene Names	HOX2A
UniProt Entry Name	HXB5_HUMAN
NCBI Protein Information	homeobox protein Hox-B5
UniProt Comments for HOXB5	HOXB5: 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 Antp homeobox family. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 17q21.3 Cellular Component: nucleus Biological Process: anterior/posterior pattern formation; endothelial cell differentiation; anatomical structure morphogenesis; transcription, DNA-dependent; positive regulation of transcription from RNA polymerase II promoter; embryonic skeletal morphogenesis
Research Articles on HOXB5	**1.** In breast cancer cells, HOXB5 regulates EGFR expression at the transcriptional level by directly binding to its promoter region and promotes phosphorylation of EGFR as well as its downstream effectors
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