HOXB9 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HOXB9, Polyclonal Antibody
Full Product Name	HOXB9 Antibody
Product Gene Name	anti-HOXB9 antibody
Product Synonym Names	Homeobox protein Hox-B9; Homeobox protein Hox-25; Homeobox protein Hox-2E; HOXB9; HOX2E
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	28,059 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (46698518..46703835, complement). Location: 17q21.3
OMIM	142964
3D Structure	ModBase 3D Structure for P17482
Applications Tested/Suitable for anti-HOXB9 antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P), ELISA (EIA)
Related Product Information for anti-HOXB9 antibody	Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis.
Product References and Citations for anti-HOXB9 antibody	Kosaki K., et al.Teratology 65:50-62 (2002).Ota T., et al.Nat. Genet. 36:40-45 (2004).Mural R.J., et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.Giampaolo A., et al.Differentiation 40:191-197 (1989).Boncinelli E., et al.Genome 31:745-756 (1989).
Other Notes	Small volumes of anti-HOXB9 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 HOXB9 purchase	MBS9232663 is an antibody targeting HOXB9. Also known as HOXB9 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HOXB9. It may not necessarily be applicable to this product.

NCBI GI #	15029508
NCBI GeneID	3219
NCBI Accession #	NP_076922.1
UniProt Primary Accession #	P17482
UniProt Secondary Accession #	Q9H1I1; B2RDB7
UniProt Related Accession #	P17482

GenBank Nucleotide #	NM_024017.4
NCBI Official Full Name	homeobox protein Hox-B9
NCBI Official Synonym Full Names	homeobox B9
NCBI Official Symbol	HOXB9
NCBI Official Synonym Symbols	HOX2; HOX2E; HOX-2.5
UniProt Protein Name	Homeobox protein Hox-B9
UniProt Synonym Protein Names	Homeobox protein Hox-2.5; Homeobox protein Hox-2E
Protein Family	Homeobox protein
UniProt Gene Name	HOXB9
UniProt Synonym Gene Names	HOX2E
UniProt Entry Name	HXB9_HUMAN
NCBI Protein Information	homeobox protein Hox-B9; homeo box 2E; homeo box B9; homeobox protein Hox-2E; homeobox protein Hox-2.5
NCBI Summary for HOXB9	This gene is a member of the Abd-B homeobox family and encodes a protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded nuclear protein functions as a sequence-specific transcription factor that is involved in cell proliferation and differentiation. Increased expression of this gene is associated with some cases of leukemia, prostate cancer and lung cancer. [provided by RefSeq, Jul 2008]
UniProt Comments for HOXB9	HOXB9: 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: DNA-binding Chromosomal Location of Human Ortholog: 17q21.3 Cellular Component: nucleoplasm; mitochondrion Molecular Function: protein binding; sequence-specific DNA binding Biological Process: anterior/posterior pattern formation; mammary gland development; transcription, DNA-dependent; embryonic skeletal development; positive regulation of transcription from RNA polymerase II promoter; Wnt receptor signaling pathway through beta-catenin
Research Articles on HOXB9	**1.** The expression of HOXB9, its relationship to clinical factors in breast cancer and efficacy as a prognostic factor were discussed.
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