

Rabbit anti-Human HOXD8 Polyclonal Antibody | anti-HOXD8 antibody

HOXD8 Antibody (C-term)

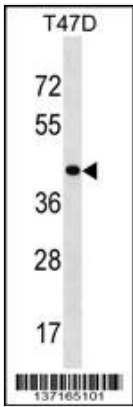
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287684	Rabbit	Human	Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

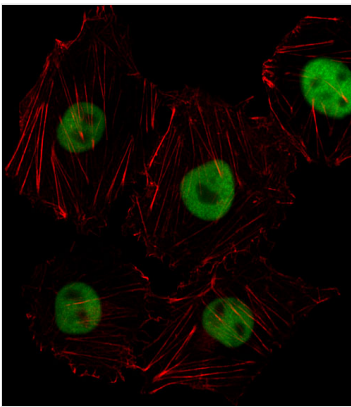
HOXD8; Polyclonal Antibody; HOXD8 Antibody (C-term); Homeobox protein Hox-D8; Homeobox protein Hox-4E; Homeobox protein Hox-54; HOX4E; anti-HOXD8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HOXD8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 243-270 amino acids from the C-terminal region of human HOXD8.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	243-270
Sequence Length	67
Applicable Applications for anti-HOXD8 antibody	WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
HOXD8 Antibody (C-term) western blot analysis in T47D cell line lysates (35ug/lane).This demonstrates the HOXD8 antibody detected the HOXD8 protein (arrow).



IF (Immunofluorescence)
Fluorescent image of HUVEC cell stained with HOXD8 Antibody (C-term). HUVEC cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with HOXD8 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree).Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree).HOXD8 immunoreactivity is localized to Nucleus significantly.

ADDITIONAL INFORMATION

Related Product Information for anti-HOXD8 antibody	This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located in a cluster on chromosome 2. Deletions that remove the entire HOXD gene cluster or the 5' end of this cluster have been associated with severe limb and genital abnormalities. In addition to effects during embryogenesis, this particular gene may also play a role in adult urogenital tract function.
Product Categories/Family for anti-HOXD8 antibody	Developmental Biology; Signal Transduction
References	Ester, A.R., et al. Am. J. Med. Genet. A 149A (12), 2745-2752 (2009) : Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009) Harada, K., et al. J. Cell. Sci. 122 (PT 21), 3923-3930 (2009) : Goodman, F.R. Am. J. Med. Genet. 112(3):256-265(2002) Kosaki, K., et al. Teratology 65(2):50-62(2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	315075340
NCBI GeneID	3234
NCBI Accession #	NP_001186675.1; NP_062458.1
NCBI GenBank Nucleotide #	NM_001199746.1
UniProt Accession #	P13378; Q5BL00; Q8IXZ1; F8WBG7
Molecular Weight	31911
NCBI Official Full Name	homeobox protein Hox-D8 isoform 2

NCBI Official Synonym Full Names	homeobox D8
NCBI Official Symbol	HOXD8
NCBI Official Synonym Symbols	HOX4; HOX4E; HOX5.4
NCBI Protein Information	homeobox protein Hox-D8
UniProt Protein Name	Homeobox protein Hox-D8
UniProt Gene Name	HOXD8
UniProt Synonym Gene Names	HOX4E
UniProt Entry Name	HXD8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/hoxd8-antibody-western-blot-immunofluorescence-elisa/287684>