

Rabbit anti-Human HOXA10 Polyclonal Antibody | anti-HOXA10 antibody

HOXA10 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287069	Rabbit	Human	Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

HOXA10; Polyclonal Antibody; HOXA10 Antibody (Center); Homeobox protein Hox-A10; Homeobox protein Hox-18; Homeobox protein Hox-1H; PL; HOX1H; anti-HOXA10 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HOXA10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 244-271 amino acids from the Central region of human HOXA10.
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	244-271
Sequence Length	94
Applicable Applications for anti-HOXA10 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.

IMAGES



WB (Western Blot)

HOXA10 Antibody (Center) western blot analysis in WiDr, HepG2 cell line lysates (35ug/lane). This demonstrates the HOXA10 antibody detected the HOXA10 protein (arrow).



IF (Immunofluorescence)

Confocal immunofluorescent analysis of HOXA10 Antibody (Center) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)

Western blot analysis of lysate from T47D cell line, using HOXA10 Antibody (Center).
AAA287069 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

ADDITIONAL INFORMATION

Related Product Information for anti-HOXA10 antibody	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 that may regulate gene expression, morphogenesis, and differentiation. More specifically, it may function in fertility, embryo viability, and regulation of hematopoietic lineage commitment. Alternatively spliced transcript variants encoding different isoforms have been described.
References	Du, H., et al. Biol. Reprod. 83(2):205-211(2010) Cheng, W., et al. J. Cancer Res. Clin. Oncol. 136(8):1221-1227(2010) Liatsikos, S.A., et al. Reprod. Biomed. Online 21(1):126-132(2010) Godbole, G., et al. J. Reprod. Immunol. 85(2):130-139(2010) Ko, S.Y., et al. Mol. Cell. Endocrinol. 317 (1-2), 112-119 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	182765442
NCBI GeneID	3206
NCBI Accession #	NP_061824.3
NCBI GenBank Nucleotide #	NM_018951.3
UniProt Accession #	P31260; O43370; O43605; Q15949; Q504T1
Molecular Weight	42414
NCBI Official Full Name	homeobox protein Hox-A10
NCBI Official Synonym Full Names	homeobox A10
NCBI Official Symbol	HOXA10
NCBI Official Synonym Symbols	PL; HOX1; HOX1H; HOX1.8
NCBI Protein Information	homeobox protein Hox-A10
UniProt Protein Name	Homeobox protein Hox-A10
UniProt Gene Name	HOXA10
UniProt Synonym Gene Names	HOX1H
UniProt Entry Name	HXA10_HUMAN

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