

Rabbit HOXC8 Polyclonal Antibody | anti-HOXC8 antibody

HOXC8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326863	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

HOXC8; Polyclonal Antibody; HOXC8 Antibody; Homeo box 3A; Homeo box 8; Homeobox 3A; Homeobox C8; Homeobox protein Hox C8; Homeobox protein Hox-3A; Homeobox protein Hox-C8; Homeobox protein HoxC8; Homeobox protein R4; Homolog of mouse Hox 3.1; HOX 3; Hox 3.1 mouse homolog of; HOX 3A; HOX C8; Hox-3.1; Hox-3A; HOX3; HOX3A; HOXC 8; Hoxc-8; HXC8_HUMAN; M31; anti-HOXC8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	HOXC8 antibody detects endogenous levels of total HOXC8
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	242
Applicable Applications for anti-HOXC8 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human HOXC8
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Rabbit (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA326863 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA326863 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600 was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts of U251, using HOXC8 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-HOXC8 antibody	Description: 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, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXC genes located in a cluster on chromosome 12. The product of this gene may play a role in the regulation of cartilage differentiation. It could also be involved in chondrodysplasias or other cartilage disorders. Function: Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Subunit Structure: Interacts with SMAD1 and HOMEZ. Similarity: Belongs to the Antp homeobox family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12056969
NCBI GeneID	3224
NCBI Accession #	NP_073149.1
NCBI GenBank Nucleotide #	NM_022658.3
UniProt Accession #	P31273; O15221; O15362; A8K4J4
Molecular Weight	Observed: 28 kDa Predicted: 28 kDa
NCBI Official Full Name	homeobox protein Hox-C8
NCBI Official Synonym Full Names	homeobox C8
NCBI Official Symbol	HOXC8
NCBI Official Synonym Symbols	HOX3; HOX3A
NCBI Protein Information	homeobox protein Hox-C8
UniProt Protein Name	Homeobox protein Hox-C8
UniProt Gene Name	HOXC8
UniProt Synonym Gene Names	HOX3A

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://stage.aaabiotech.com/polyclonal/hoxc8-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326863>