

Rabbit anti-Human, Mouse HOXD12 Polyclonal Antibody | anti-HOXD12 antibody

HOXD12 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321163	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

HOXD12; Polyclonal Antibody; HOXD12 Antibody; Homeobox protein Hox D12; Homeobox protein Hox-4H; Homeobox protein Hox-D12; Hox 4.7; mouse; homolog of; Hox 4H; HOX4H; HXD12_HUMAN; anti-HOXD12 antibody

PRODUCT SPECIFICATIONS

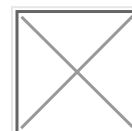
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	HOXD12 antibody detects endogenous levels of HOXD12
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	270
Applicable Applications for anti-HOXD12 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HOXD12
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog
Similarity	Pig (88%), Bovine (88%), Horse (100%), Rabbit (100%), Dog (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis on COLO205 cell lysate using HOXD12 Antibody, The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321163 staining COLO205 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) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HOXD12 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, 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. The exact role of this gene has not been determined. 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. Similarity: Belongs to the Abd-B homeobox family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194353946
NCBI GeneID	3238
NCBI Accession #	NP_067016.3
NCBI GenBank Nucleotide #	NM_021193.3
UniProt Accession #	P35452; Q0VAD7; Q0VAD8; Q9NS03; B5MCP0
Molecular Weight	Observed: 28 kDa Predicted: 30 kDa
NCBI Official Full Name	homeobox protein Hox-D12
NCBI Official Synonym Full Names	homeobox D12
NCBI Official Symbol	HOXD12
NCBI Official Synonym Symbols	HOX4H
NCBI Protein Information	homeobox protein Hox-D12
UniProt Protein Name	Homeobox protein Hox-D12
UniProt Gene Name	HOXD12
UniProt Synonym Gene Names	HOX4H

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.