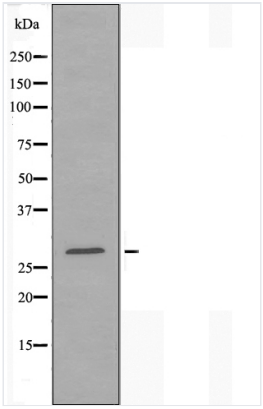
HOXD12 Antibody – Rabbit Polyclonal

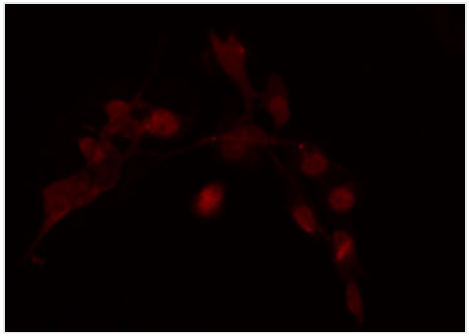
PRODUCT OVERVIEW

Product Name	HOXD12, Polyclonal Antibody
Full Product Name	HOXD12 Antibody
Product Gene Name	anti-HOXD12 antibody
Product Synonym Names	Homeobox protein Hox D12; Homeobox protein Hox-4H; Homeobox protein Hox-D12; Hox 4.7, mouse, homolog of; Hox 4H; HOX4H; HOXD12; HXD12_HUMAN
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	HOXD12 antibody detects endogenous levels of total HOXD12
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	HOXD12 peptide (MBS9623342) is used for blocking the activity of HOXD12 antibody (MBS9604625)
Molecular Weight	Observed: 28 kD Predicted: 30 kDa
3D Structure	ModBase 3D Structure for P35452
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HOXD12 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-HOXD12 antibody	WB: 1:500-1:1000 IF/ICC: 1:100-1:500
Related Product Information for anti-HOXD12 antibody	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.
Other Notes	Small volumes of anti-HOXD12 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 HOXD12 purchase	MBS9604625 is an antibody targeting HOXD12. Also known as HOXD12 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-HOXD12 antibody
Western blot analysis of extracts from COLO205 cells treated with serum (20%) using HOXD12 antibody.



Immunofluorescene (IF) of anti-HOXD12 antibody
MBS9604625 staining COLO205 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HOXD12. It may not necessarily be applicable to this product.

NCBI GI #	194353946
NCBI GeneID	3238
NCBI Accession #	NP_067016.3
UniProt Primary Accession #	P35452
UniProt Secondary Accession #	Q0VAD7; Q0VAD8; Q9NS03; B5MCP0
UniProt Related Accession #	P35452
GenBank Nucleotide #	NM_021193.3
NCBI Official Full Name	homeobox protein Hox-D12
NCBI Official Synonym Full Names	homeobox D12
NCBI Official Symbol	HOXD12
NCBI Official Synonym Symbols	HOX4H
UniProt Protein Name	Homeobox protein Hox-D12
UniProt Synonym Protein Names	Homeobox protein Hox-4H
Protein Family	Homeobox protein
UniProt Gene Name	HOXD12
UniProt Synonym Gene Names	HOX4H
NCBI Protein Information	homeobox protein Hox-D12
NCBI Summary for HOXD12	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. [provided by RefSeq, Jul 2008]

UniProt Comments for HOXD12	Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis.
Research Articles on HOXD12	**1.** data show no significant difference in HOXD11, HOXD12 & HOXD13 genotype frequencies between the autism spectrum disorder & healthy controls, but one SNP in promoter region of HOXD11 was observed in only 4 patients with ASD
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