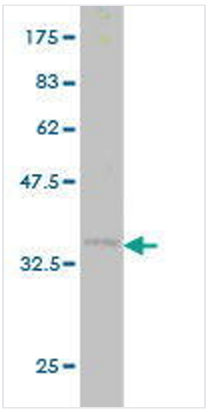
CDX1 Antibody – Mouse Monoclonal

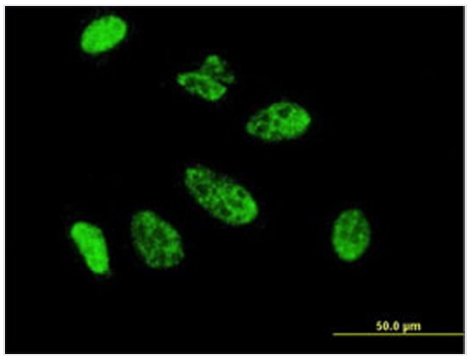
PRODUCT OVERVIEW

Product Name	CDX1, Monoclonal Antibody
Full Product Name	CDX1 (Homeobox Protein CDX-1, Caudal-type Homeobox Protein 1) (MaxLight 750)
Product Gene Name	anti-CDX1 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2D8
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CDX1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	28kDa
OMIM	600746
3D Structure	ModBase 3D Structure for P47902
Immunogen	Partial recombinant protein corresponding to aa126-215 from human CDX1 with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	GAQRPTPYEWMRRSVAAGGGGGSGKTRTKDKYRVVYTDHQRLELEKEFHYSRYITIRRKSELAANLGLTERQVKIWFQNRRAKERKVNKK
Conjugate	MaxLight750
Product Categories/Family for anti-CDX1 antibody	Antibodies; Transcription Factors; Homeobox (HOX)
Applications Tested/Suitable for anti-CDX1 antibody	FLISA, Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-CDX1 antibody	IF: 10ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-CDX1 antibody	MBS6232092 is an antibody targeting CDX1. Also known as CDX1 (Homeobox Protein CDX-1, Caudal-type Homeobox Protein 1) (MaxLight 750). Reactive in Human. Host: Mouse.
Product References and Citations for anti-CDX1 antibody	1. Activation of the BMP4 Pathway and Early Expression of CDX2 Characterize Non-specialized Columnar Metaplasia in a Human Model of Barrett's Esophagus. Castillo D, Puig S, Iglesias M, Seoane A, de Bolos C, Munitiz V, Parrilla P, Comerma L, Poulsom R, Krishnadath KK, Grande L, Pera M.J Gastrointest Surg. 2011 Nov 11.

Other Notes	Small volumes of anti-CDX1 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.



Western Blot (WB) of anti-CDX1 antibody
Western Blot detection against Immunogen using MBS6010850 (35.64kD).



Immunofluorescence (IF) of anti-CDX1 antibody
Immunofluorescence of HeLa cell using MBS6010850 (10ug/ml).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDX1. It may not necessarily be applicable to this product.

NCBI GI #	121114296
NCBI GeneID	1044
NCBI Accession #	NP_001795
UniProt Primary Accession #	P47902
UniProt Related Accession #	P47902
GenBank Nucleotide #	NM_001804
NCBI Official Full Name	homeobox protein CDX-1
NCBI Official Synonym Full Names	caudal type homeobox 1
NCBI Official Symbol	CDX1
UniProt Protein Name	Homeobox protein CDX-1
UniProt Synonym Protein Names	Caudal-type homeobox protein 1
Protein Family	Homeobox protein
UniProt Gene Name	CDX1
NCBI Protein Information	homeobox protein CDX-1
NCBI Summary for CDX1	This gene is a member of the caudal-related homeobox transcription factor gene family. The encoded DNA-binding protein regulates intestine-specific gene expression and enterocyte differentiation. It has been shown to induce expression of the intestinal alkaline phosphatase gene, and inhibit beta-catenin/T-cell factor transcriptional activity. [provided by RefSeq, Jul 2008]
UniProt Comments for CDX1	Plays a role in transcriptional regulation (PubMed:24623306). Involved in activated KRAS-mediated transcriptional activation of PRKD1 in colorectal cancer (CRC) cells (PubMed:24623306). Binds to the PRKD1 promoter in colorectal cancer (CRC) cells (PubMed:24623306). Could play a role in the terminal differentiation of the intestine.
Research Articles on CDX1	**1.** XIST is down-regulated in breast cancer and suppresses breast cancer cell growth, migration, and invasion via the miR-155/CDX1 axis. caudal-type homeobox 1 (CDX1) was identified as a direct target of miR-155 and miR-155/CDX1 rescued the effects of XIST in breast cancer cells.

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