CDX2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CDX2, Monoclonal Antibody
Full Product Name	CDX2
Product Gene Name	anti-CDX2 antibody
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2G1
Host	Mouse
Species Reactivity	Human, Mouse, Rat
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. 0.05% Sodium Azide.
Purity/Purification	Protein A Affinity Purified
Preparation and Storage	Store at 4 degree C after thawing. Aliquot store at -20 degree C or -80 degree C. Avoid repeated freeze/thaw cycles.
OMIM	600297
3D Structure	ModBase 3D Structure for Q99626
Immunogen	Peptide
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-CDX2 antibody	MBS8566087 is an antibody targeting CDX2. Reactive in Human, Mouse, Rat. Host: Mouse.
Other Notes	Small volumes of anti-CDX2 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDX2. It may not necessarily be applicable to this product.

NCBI GI #	372624392
NCBI GeneID	1045
NCBI Accession #	NP_001256.3
UniProt Primary Accession #	Q99626
UniProt Related Accession #	Q99626
GenBank Nucleotide #	NP_001256.3
NCBI Official Full Name	homeobox protein CDX-2 isoform 1
NCBI Official Synonym Full Names	caudal type homeobox 2
NCBI Official Symbol	CDX2
NCBI Official Synonym Symbols	CDX3; CDX-3; CDX2/AS

UniProt Protein Name	Homeobox protein CDX-2
UniProt Synonym Protein Names	CDX-3; Caudal-type homeobox protein 2
Protein Family	Homeobox protein
UniProt Gene Name	CDX2
UniProt Synonym Gene Names	CDX3
UniProt Entry Name	CDX2_HUMAN
NCBI Protein Information	homeobox protein CDX-2
NCBI Summary for CDX2	This gene is a member of the caudal-related homeobox transcription factor gene family. The encoded protein is a major regulator of intestine-specific genes involved in cell growth an differentiation. This protein also plays a role in early embryonic development of the intestinal tract. Aberrant expression of this gene is associated with intestinal inflammation and tumorigenesis. [provided by RefSeq, Jan 2012]
UniProt Comments for CDX2	CDX2: Involved in the transcriptional regulation of multiple genes expressed in the intestinal epithelium. Important in broad range of functions from early differentiation to maintenance of the intestinal epithelial lining of both the small and large intestine. Belongs to the Caudal homeobox family. Protein type: Transcription factor; DNA-binding Chromosomal Location of Human Ortholog: 13q12.3 Cellular Component: nucleoplasm; condensed nuclear chromosome; transcriptional repressor complex Molecular Function: double-stranded DNA binding; transcription corepressor activity; transcription factor activity Biological Process: transcription from RNA polymerase II promoter; establishment and/or maintenance of epithelial cell polarity; anterior/posterior pattern formation; blood vessel development; organ morphogenesis; somatic stem cell maintenance; positive regulation of transcription, DNA-dependent; positive regulation of cell proliferation; endosome to lysosome transport; negative regulation of transcription from RNA polymerase II promoter; positive regulation of cell differentiation; trophectodermal cell differentiation
Research Articles on CDX2	**1.** Dual-positive expression of SATB2 and CDX2 both show higher specificity in identifying signet ring cell carcinomas of lower GI tract origin.
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