



# ELK Biotechnology

CDX2 Mouse mAb

Catalog NO.: EM1057

For research use only.

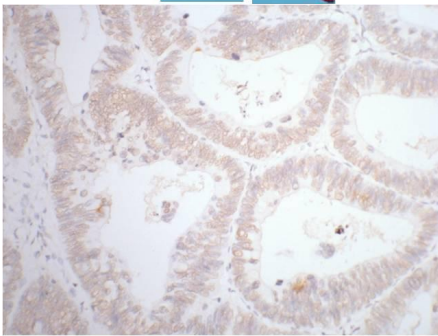
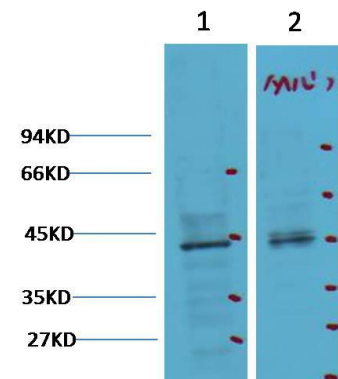
## Overview

---

Product name	CDX2 Mouse Monoclonal antibody
Source	Mouse
Applications	<b>WB IHC</b>
Species reactivity	<b>Human Rat Mouse</b>
Recommended dilutions	<b>WesternBlot:1/1000</b> <b>Immunohistochemistry:1/200</b> <b>NOTE: Optimal dilutions should be determined by the end user.</b>
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	<b>42kDa</b>
GeneID (Human)	1045
Human Swiss-Prot No.	Q99626
Cellular localization	Nucleus
Alternative Names	Caudal Type Homeobox Transcription Factor 2 ;CDX3; Homeobox Protein CDX-2
Background	CDX2 is a caudal type homeobox gene that encodes an intestine-specific transcription factor that is expressed early in intestinal development and may be involved in the regulation of proliferation and differentiation of intestinal epithelial cells. It is expressed in the nuclei of epithelial cells throughout the intestine from duodenum to rectum. The CDX2 protein is expressed in primary and metastatic colorectal carcinomas and has also

been demonstrated in the intestinal metaplasia of the stomach and intestinal-type gastric cancer while it is not expressed in the normal gastric mucosa. Studies have shown that CDX2 is superior marker compared to CK20.

Western blot analysis of 1) 293T 2) Mouse Heart tissue with CDX2 mAb diluted at:2000.



IHC staining of human rectal cancer tissue with CDX2 mouse mAb(14H6) diluted at:200.