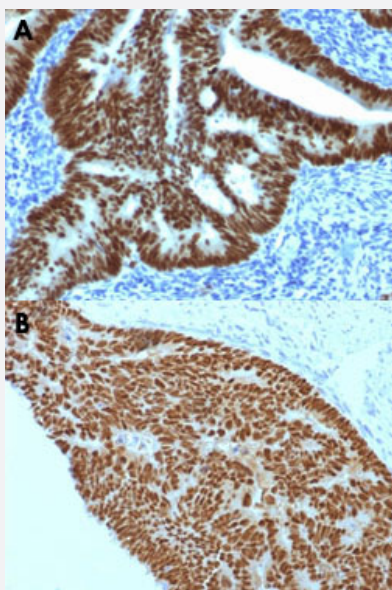


CDX2 monoclonal antibody, clone CDX2/1690

Catalog # MAB14466 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon cancer (A, B) with CDX2 monoclonal antibody, clone CDX2/1690 (Cat # MAB14466).

Specification

Product Description Mouse monoclonal antibody raised against partial recombinant human CDX2.

Immunogen Recombinant protein corresponding to amino acids 150-249 of human CDX2.

Host Mouse

Theoretical MW (kDa) 40

Reactivity Human

Form Liquid

Purification Protein A/G purification

Isotype IgG2a, kappa

Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon cancer (A, B) with CDX2 monoclonal antibody, clone CDX2/1690 (Cat # MAB14466).

- Immunofluorescence
- Flow Cytometry

Gene Info — CDX2

Entrez GeneID	1045
Protein Accession#	Q99626
Gene Name	CDX2
Gene Alias	CDX-3, CDX3
Gene Description	caudal type homeobox 2
Omim ID	600297
Gene Ontology	Hyperlink
Gene Summary	The level and beta-cell specificity of insulin gene expression are regulated by a set of nuclear proteins that bind to specific sequences within the promoter of the insulin gene (INS; MIM 176730) and interact with RNA polymerase to activate or repress transcription. The proteins LMX1 (MIM 600298) and CDX3 are homeodomain proteins that bind an A/T-rich sequence in the insulin promoter and stimulate its transcription (German et al., 1994 [PubMed 7698771]).[supplied by OMIM]

Other Designations

OTTHUMP00000018176|caudal type homeo box transcription factor 2|caudal type homeobox transcription factor 2

Publication Reference

- [Cdx1 and cdx2 expression during intestinal development.](#)

Silberg DG, Swain GP, Suh ER, Traber PG.

Gastroenterology 2000 Oct; 119(4):961.

Application: IHC-P, WB-Ce, WB-Tr, Mouse, ColoDM cells, Intestine, NIH/3T3 cells, Postnatal tissues

- [Expression of the Cdx1 and Cdx2 homeotic genes leads to reduced malignancy in colon cancer-derived cells.](#)

Mallo GV, Soubeyran P, Lissitzky JC, André F, Farnarier C, Marvaldi J, Dagorn JC, Iovanna JL.

The Journal of Biological Chemistry 1998 May; 273(22):14030.

Application: WB-Ce, WB-Tr, Human, Colon cancer-derived cells, HT-29 cells

Disease

- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)