

CDX-2 (Clone ZM20)

Mouse Monoclonal Antibody

Specificity: Human. Others not known

Immunogen: Recombinant human full-length CDX2 protein

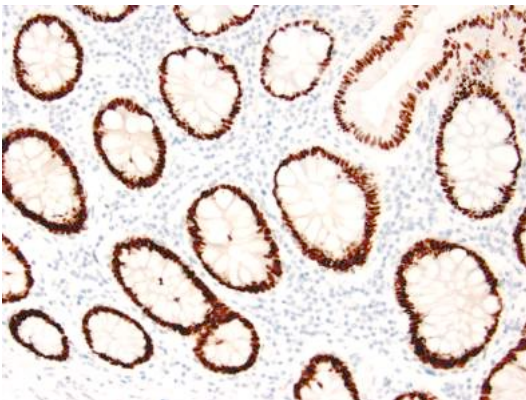
Ig Class: IgG1

Storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100-200. *Positive Control:* Colon. *Cellular Localization:* Nuclear. *Intended Use:* In vitro diagnosis (IVD).

Description: The specificity of this monoclonal antibody to its intended target was validated by HuProt™ Array, containing more than 19,000, full-length human proteins. The intestine-specific transcription factors CDX1 and CDX2 are important for directing intestinal development, differentiation, proliferation and maintenance of the intestinal phenotype. CDX2 protein expression has been seen in GI carcinomas. Anti-CDX2 has been useful to establish GI origin of metastatic adenocarcinomas and carcinoids and is especially useful to distinguish metastatic colorectal adenocarcinoma from lung adenocarcinoma. However, mucinous carcinomas of the ovary also express CDX2 protein. It limits the usefulness of this marker in the distinction of metastatic colorectal adenocarcinoma from mucinous carcinoma of the ovary.

Supplied As: Purified antibody with 0.2% BSA and 15mM sodium azide.



References:

1. Mazziotta RM, et al. *Appl Immunohistochem Mol Morphol*. 2005; 13:55-60.
2. Kaimaktchiev V, et al. *Mod Pathol*. 2004; 17:1392-9.
3. Werling RW, et al. *Am J Surg Pathol*. 2003; 27:303-10.

Formalin-fixed, paraffin-embedded human normal colon stained with anti-CDX-2 antibody using peroxidase-conjugate and DAB chromogen. Note the nuclear staining of glandular cells

Cat. #Z2340 (1.0 ml)

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