

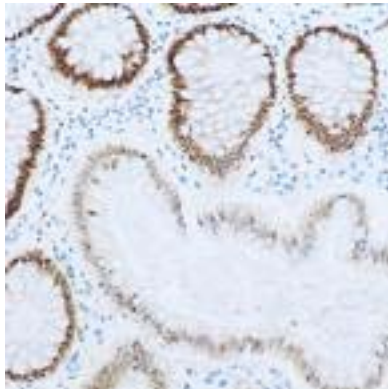


Memo to: Healthcare Personnel
From: Alverno Clinical Laboratories, Anatomic Pathology Department
Subject: **New Test Available – CDX2 IHC**

We are pleased to announce a new service for our healthcare providers, CDX2 immunohistochemical staining.

CDX2 is an intestine-specific homeobox transcription factor involved in the regulation of proliferation and differentiation of the intestinal epithelium. The intestine is the only organ that contains detectable levels of CDX2 and is primarily expressed in the nuclei of cells on the surface of the villus and crypts.

The loss of CDX2 has been reported to contribute toward the progression of some sporadic colorectal cancers. Ectopic expression of CDX2 was reported more than 85% of the human patients with Acute Myeloid Leukemia (AML). CDX2 expression has been associated with the pre-cancerous condition Barrett's Esophagus.



Human small intestine: immunohistochemical staining for CDX2 homeobox protein. Note: nuclear and cytoplasmic staining of epithelial cells.

This test is FDA approved and is manufactured by Visionbiosystems.

SPECIMEN COLLECTION

Formalin-Fixed/Paraffin-Embedded Tissue Sections

For educational information please refer to the following references.

Bai, Y.Q., et al. *Cancer Letters*. 2002. 176(1): 47-55.

Hinoi, T., et al. *American Journal of Pathology*. 2001. 159(6): 2239-2248.

Sivagnanasundaram, S., et al. *British Journal of Cancer*. 2001. 84(2): 218-225.

Alverno Clinical Laboratories, LLC
2434 Interstate Plaza Dr.
Hammond, IN 46324
(219) 989-3700