

**CDX1 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6130a**

**Specification**

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**CDX1 Antibody (C-term) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">P47902</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Antigen Region	<b>236-265</b>

**CDX1 Antibody (C-term) - Additional Information**

**Gene ID** 1044

**Other Names**

Homeobox protein CDX-1, Caudal-type homeobox protein 1, CDX1

**Target/Specificity**

This CDX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 236-265 amino acids from the C-terminal region of human CDX1.

**Dilution**

WB~~1:1000  
IHC-P~~1:50~100

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CDX1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CDX1 Antibody (C-term) - Protein Information**

**Name** CDX1

**Function** Plays a role in transcriptional regulation (PubMed:[24623306](#)). Involved in activated KRAS-mediated transcriptional activation of PRKD1 in colorectal cancer (CRC) cells (PubMed:[24623306](#)). Binds to the PRKD1 promoter in colorectal cancer (CRC) cells

(PubMed:[24623306](#)). Could play a role in the terminal differentiation of the intestine. Binds preferentially to methylated DNA (PubMed:[28473536](#)).

#### Cellular Location

Nucleus.

#### Tissue Location

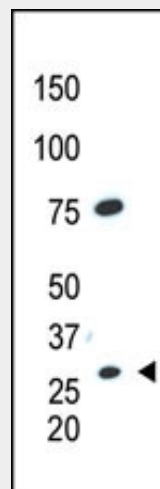
Intestinal epithelium.

### CDX1 Antibody (C-term) - Protocols

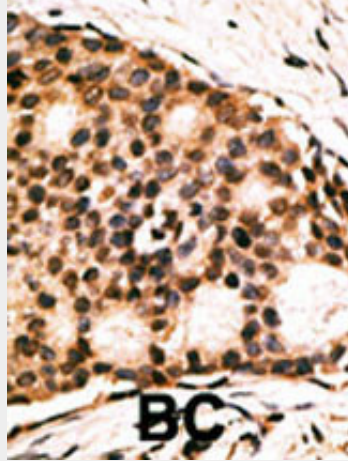
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### CDX1 Antibody (C-term) - Images



The anti-CDX1 C-term Pab (Cat. #AP6130a) is used in Western blot to detect CDX1 in HL60 cell lysate.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

#### **CDX1 Antibody (C-term) - Background**

This gene is a member of the caudal-related homeobox transcription factor gene family. The encoded DNA-binding protein regulates intestine-specific gene expression and enterocyte differentiation. It has been shown to induce expression of the intestinal alkaline phosphatase gene, and inhibit beta-catenin/T-cell factor transcriptional activity.

#### **CDX1 Antibody (C-term) - References**

Domon-Dell, C., et al., *Oncogene* 22(39):7913-7921 (2003).  
Suh, E.R., et al., *J. Biol. Chem.* 277(39):35795-35800 (2002).  
Mizoshita, T., et al., *Gastric Cancer* 4(4):185-191 (2001).  
Mallo, G.V., et al., *Int. J. Cancer* 74(1):35-44 (1997).  
Bonner, C.A., et al., *Genomics* 28(2):206-211 (1995).

#### **CDX1 Antibody (C-term) - Citations**

- [Functional Significance of MMP3 and TIMP2 Polymorphisms in Cleft Lip/Palate.](#)