10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

CDX1 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P47902
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**236-265**

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.

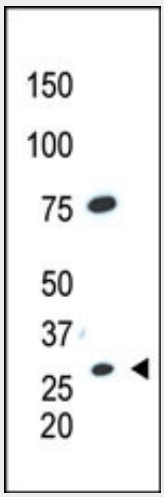
Tissue Location
Intestinal epithelium.

CDX1 Antibody (C-term) - Protocols

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

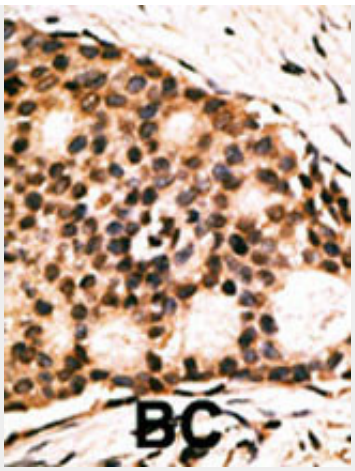
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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.