

**CDX2 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51075****Specification**

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**CDX2 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, E                  |
| Primary Accession | <a href="#">Q99626</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 40 KDa                 |

**CDX2 Antibody - Additional Information****Gene ID** 1045**Other Names**

Homeobox protein CDX-2, CDX-3, Caudal-type homeobox protein 2, CDX2, CDX3

**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CDX2. The exact sequence is proprietary.

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**CDX2 Antibody - Protein Information****Name** CDX2**Synonyms** CDX3**Function**

Transcription factor which regulates the transcription of multiple genes expressed in the intestinal epithelium (By similarity). Binds to the promoter of the intestinal sucrase-isomaltase SI and activates SI transcription (By similarity). Binds to the DNA sequence 5'-ATAAAACTTAT-3' in the promoter region of VDR and activates VDR transcription (By similarity). Binds to and activates transcription of LPH (By similarity). Activates transcription of CLDN2 and intestinal mucin MUC2 (By similarity). Binds to the 5'-AATTTTTTACAACACCT-3' DNA sequence in the promoter region of CA1 and activates CA1 transcription (By similarity). Important in broad range of functions from

early differentiation to maintenance of the intestinal epithelial lining of both the small and large intestine. Binds preferentially to methylated DNA (PubMed:<a href="http://www.uniprot.org/citations/28473536" target="\_blank">28473536</a>).

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:P43241}.

**Tissue Location**

Detected in small intestine, colon and pancreas.

**CDX2 Antibody - 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](#)

**CDX2 Antibody - Images****CDX2 Antibody - Background**

Involved in the transcriptional regulation of multiple genes expressed in the intestinal epithelium. Important in broad range of functions from early differentiation to maintenance of the intestinal epithelial lining of both the small and large intestine.

**CDX2 Antibody - References**

Drummond F.J.,et al.Ann. Hum. Genet. 61:393-400(1997).  
Mallo G.V.,et al.Int. J. Cancer 74:35-44(1997).  
Sivagnanasundaram S.,et al.Br. J. Cancer 84:218-225(2001).  
Tanizawa Y.,et al.Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.  
Dunham A.,et al.Nature 428:522-528(2004).