

## Mouse Anti-CDX2 antibody

SLM-33063M

**Product Name** CDX2

**Chinese Name** 尾型同源盒转录因子 2 单克隆抗体

**Alias** cau-dal-related homeobox transcription factor 2; Caudal type homeo box 2; Caudal type homeobox protein 2; caudal type homeobox transcription factor 2; CDX 2; CDX 3; CDX3; Homeobox protein CDX-2; Homeobox protein CDX2; CDX2\_HUMAN.

**Research Area** Tumour Developmental biology Chromatin and nuclear signals transcriptional regulatory factor

**Immunogen Species** Mouse

**Clonality** Monoclonal

**Clone NO.** 5G8

**React Species** Rat(predicted:Human,Mouse)

**Applications** IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 34kDa

**Cellular localization** The nucleus

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human CDX2

**Lsotype** IgG

**Purification** affinity purified by Protein G

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**PubMed**

[PubMed](#)

Homeobox protein CDX-2 is a protein that in humans is encoded by the CDX2 gene. This gene is a member of the caudal-related homeobox transcription factor family that is expressed in the nuclei of intestinal epithelial cells. CDX2 is also used in diagnostic surgical pathology as a marker for gastrointestinal differentiation, especially colorectal.

**Function:**

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.

**Subcellular Location:**

Nucleus.

**Post-translational modifications:**

Phosphorylation of Ser-60 mediates the transactivation capacity.

**Similarity:**

Belongs to the Caudal homeobox family.  
Contains 1 homeobox DNA-binding domain.

**Product  
Detail**

**SWISS:**  
Q99626

**Gene ID:**  
1045

**Database links:**

[Entrez Gene: 1045](#) Human

[Entrez Gene: 12591](#) Mouse

[Entrez Gene: 66019](#) Rat

[Omim: 600297](#) Human

[SwissProt: Q99626](#) Human

[SwissProt: P43241](#) Mouse

[Unigene: 174249](#) Human

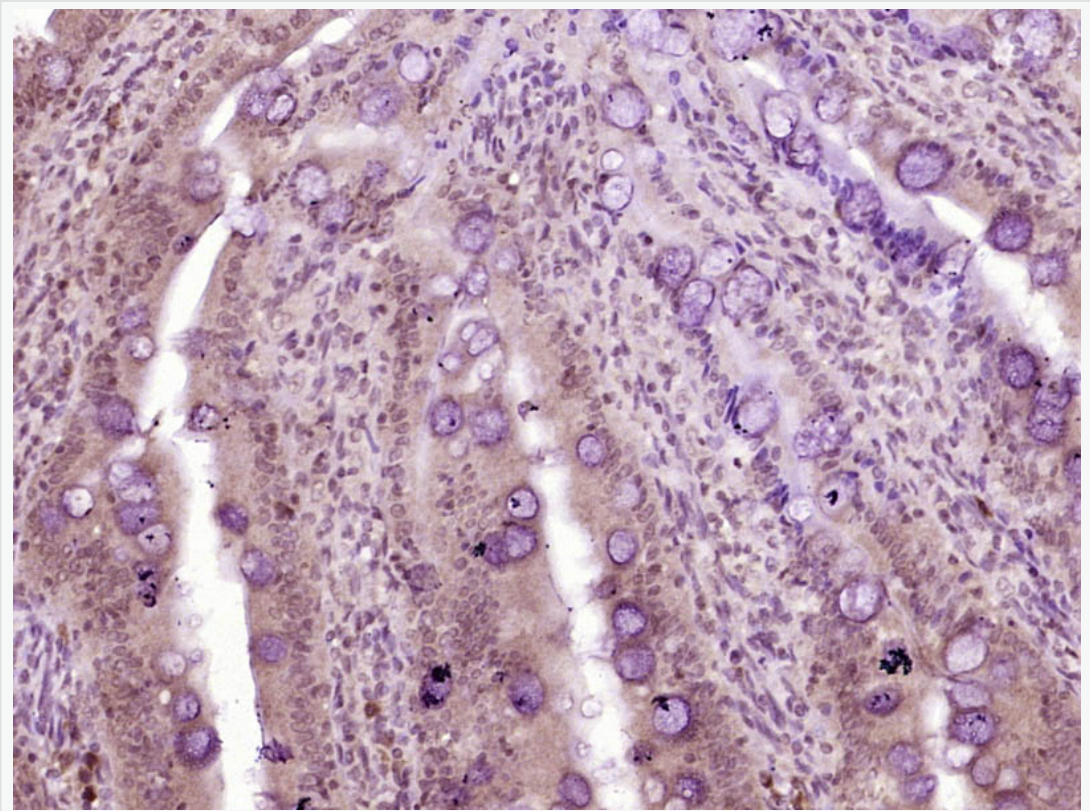
[Unigene: 20358](#) Mouse

[Unigene: 64495](#) Rat

### 核转录因子抗体

CDX2 表达主要用于消化系统 Tumour 及癌前病变的研究。用于与 Tumour 的增值、分化、大小、临床分期及分化程度等关系方面的研究。CDX2 是一种肠特有的转录因子，CDX2 能够调节肠 epithelial cells 的增殖和分化，定位于肠上皮的绒毛和隐窝表面。据报道 95%以上的浸润性结/直肠癌中均可检出 CDX2 阳性表达，也可在胃癌和卵巢黏液性腺癌中表达。

### Product Picture



Paraformaldehyde-fixed, paraffin embedded (Rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CDX2) Monoclonal Antibody, Unconjugated (ascites of SLM-33063M 5G8) at 1:2000 overnight at 4°C, followed



SunLong Biotech Co.,LTD  
Tel: 0086-571-56623320 Fax:0086-571-56623318  
E-mail:sales@sunlongbiotech.com  
www.sunlongbiotech.com

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by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.