SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CDX2 antibody

Catalog Number: SL1620R

FOR RESEARCH USE ONLY

[DATASHEET]

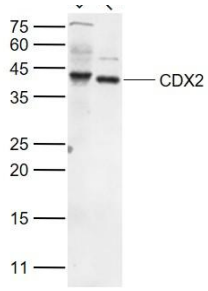
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CDX2
Immunogen:	KLH conjugated synthetic peptide derived from human CDX2: 151-250/313
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 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.
Reactivity:	Human(predicted:Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit)
Predicted MW.:	34kDa
Subcellular Location:	The nucleus
Background:	This gene is a member of the caudal-related homeobox transcription factor gene family. The encoded protein is a major regulator of intestine-specific genes involved in cell growth an differentiation. This protein also plays a role in early embryonic development of the intestinal tract. Aberrant expression of this gene is associated with intestinal inflammation and tumorigenesis. [provided by RefSeq, Jan 2012] **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

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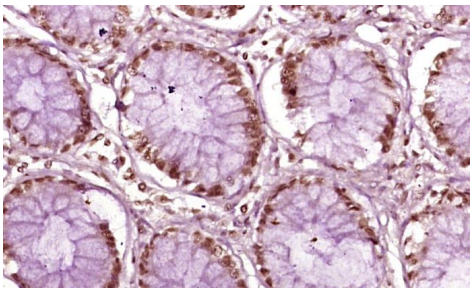
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	transactivation capacity. **Similarity:** Belongs to the Caudal homeobox family. Contains 1 homeobox DNA-binding domain. **Database links:** **Entrez Gene:** 1045 Human **Entrez Gene:** 12591 Mouse **Entrez Gene:** 66019 Rat Omim: 600297 Human **SwissProt:** Q99626 Human **SwissProt:** P43241 Mouse **Unigene:** 174249 Human **Unigene:** 20358 Mouse **Unigene:** 64495 Rat Nuclear Transcription Factor Antibody CDX2 expression is mainly used in research on digestive system Tumour and precancerous lesions. It is used in research on its relationship with Tumour proliferation, differentiation, size, clinical staging, and degree of differentiation. CDX2 is an intestine-specific transcription factor. CDX2 can regulate the proliferation and differentiation of intestinal epithelial cells and is localized on the surface of intestinal epithelial villi and crypts. It has been reported that CDX2-positive expression can be detected in more than 95% of invasive colon/rectal cancers, and it can also be expressed in gastric cancer and ovarian mucinous adenocarcinoma.

[VALIDATION IMAGES]



Sample:
Lane 1: Lovo (Human) Cell Lysate at 30 ug
Lane 2: FHC (Human) Cell Lysate at 30 ug
Primary: Anti-CDX2 (SL1620R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 38 kD
Observed band size: 40 kD



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); 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) Polyclonal Antibody, Unconjugated (SL1620R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

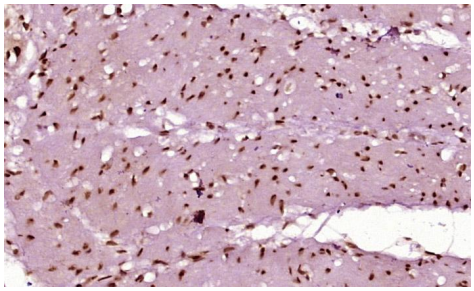
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