

CDX2 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52775**Specification**

CDX2 Antibody - Product Information

Application	WB, ICC, IP
Primary Accession	Q99626
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	34 KDa

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

Caudal type homeo box 2;Caudal type homeo box transcription factor 2;Caudal type homeobox 2;Caudal type homeobox protein 2;caudal type homeobox transcription factor 2; Caudal-type homeobox protein 2;CDX 2;CDX 3;CDX-3;Cdx2;CDX2_HUMAN;CDX3;Homeobox protein CDX 2;Homeobox protein CDX-2;Homeobox protein CDX2.

Dilution

WB~~1:1000

ICC~~1:100

IP~~1:500

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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:28473536).

Cellular Location

Nucleus {ECO:0000250|UniProtKB:P43241}.

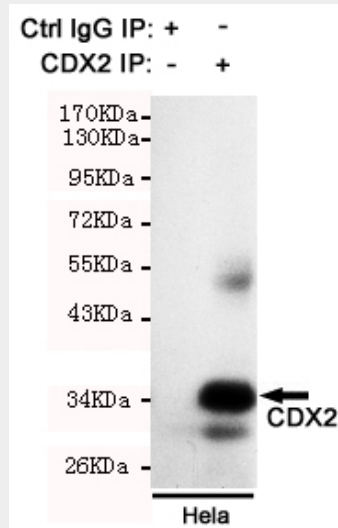
Tissue Location

Detected in small intestine, colon and pancreas.

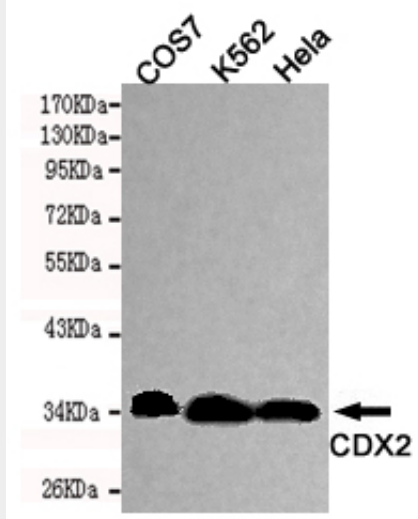
CDX2 Antibody - Protocols

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

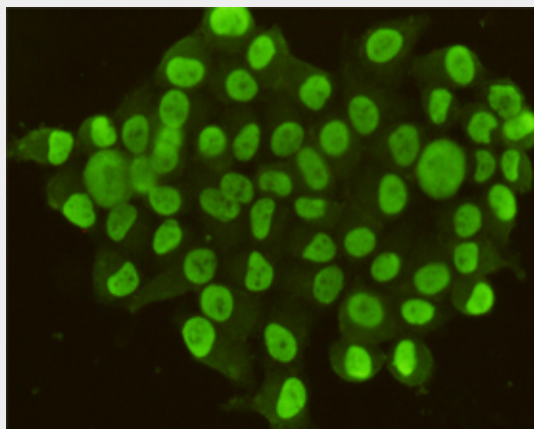
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CDX2 Antibody - Images

Immunoprecipitation analysis of HeLa cell lysate using CDX2 mouse mAb.



Western blot detection of CDX2 in HeLa, COS7 and K562 cell lysates using CDX2 mouse mAb (1:1000 diluted). Predicted band size: 34KDa. Observed band size: 34KDa.



Immunocytochemistry stain of HeLa using CDX2 mouse mAb (1:100).

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).