

CDX2 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52774

Specification

CDX2 Antibody - Product Information

Application	IP, WB, ICC
Primary Accession	O99626
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
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

IP~~1:500
WB~~1:1000
ICC~~1:100

Format

Purified mouse monoclonal in PBS(pH 7.4)containing with 0.09% (W/V) sodium azide,50% glycerol.

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:28473536).

Cellular Location

Nucleus {ECO:0000250|UniProtKB:P43241}.

Tissue Location

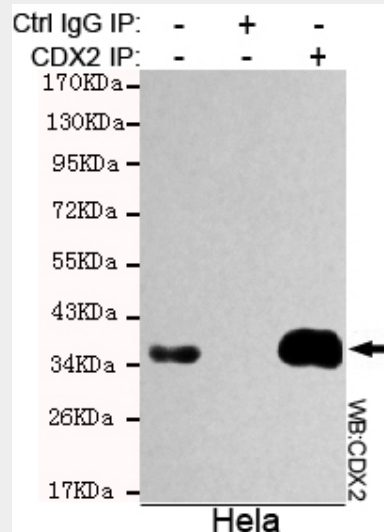
Detected in small intestine, colon and pancreas.

CDX2 Antibody - Protocols

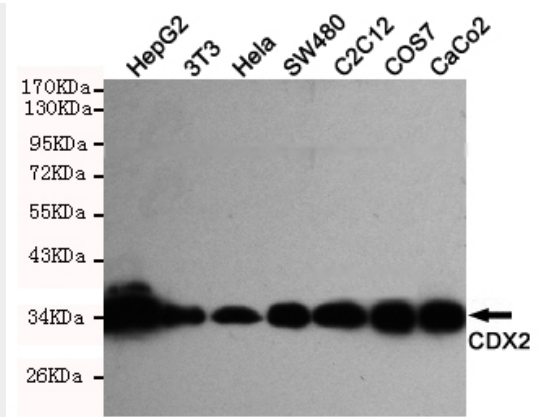
Provided below are standard protocols that you may find useful for product applications.

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

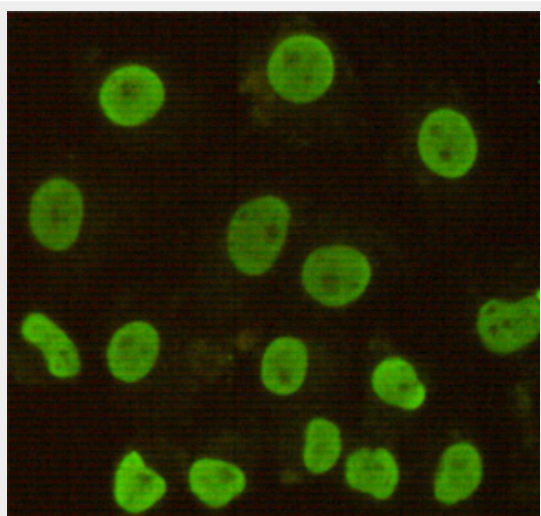
CDX2 Antibody - Images



Immunoprecipitation analysis of HeLa cell lysate using CDX2 mouse mAb.



Western blot detection of CDX2 in HeLa,Caco2,C2C12,SW480,COS7,HepG2 and 3T3 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).