

CDX2 Antibody

Rabbit mAb Catalog # AP90176

Specification

CDX2 Antibody - Product Information

Application WB, IHC, FC, ICC

Primary Accession
Reactivity
Rat

Clonality Monoclonal

Other Names

caudal type homeo box transcription factor 2; Homeobox protein CDX-2; Caudal-type homeobox

protein 2; CDX3

Isotype Rabbit IgG
Host Rabbit
Calculated MW 33520 Da

CDX2 Antibody - Additional Information

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

CDX2

Description 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.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

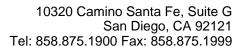
CDX2 Antibody - Protein Information

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'-ATAAAAACTTAT-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

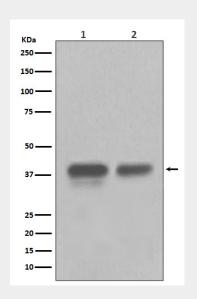
Detected in small intestine, colon and pancreas.

CDX2 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CDX2 Antibody - Images



Western blot analysis of CDX2 in (1) HEK293 cell lysate; (2) Colon cancer lysate.