

CDX2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51075

Product Information

Application	WB
Primary Accession	Q99626
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33520

Additional Information

Gene ID	1045
Other Names	Homeobox protein CDX-2, CDX-3, Caudal-type homeobox protein 2, CDX2, CDX3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CDX2. The exact sequence is proprietary.
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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.

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.

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).

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