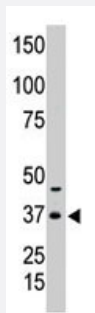


CDX2 polyclonal antibody

Catalog # PAB4714

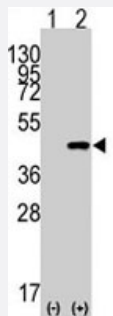
Size 400 uL

Applications



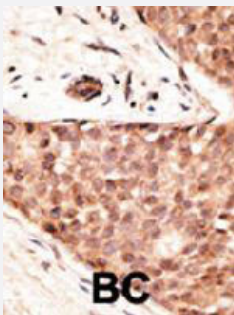
Western Blot (Tissue lysate)

The CDX2 polyclonal antibody (Cat # PAB4714) is used in Western blot to detect CDX2 in placenta tissue lysate.



Western Blot (Transfected lysate)

Western blot analysis of CDX2 (arrow) using rabbit CDX2 polyclonal antibody (Cat # PAB4714). 293 cell lysate (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the CDX2 gene (Lane 2) (Origene Technologies).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with CDX2 polyclonal antibody (Cat # PAB4714), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of CDX2.

Immunogen

A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human CDX2.

Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

The CDX2 polyclonal antibody (Cat # PAB4714) is used in Western blot to detect CDX2 in placenta tissue lysate.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — CDX2

Entrez GeneID	1045
Protein Accession#	NP_001256:Q99626
Gene Name	CDX2

Gene Alias	CDX-3, CDX3
Gene Description	caudal type homeobox 2
Omim ID	600297
Gene Ontology	Hyperlink
Gene Summary	The level and beta-cell specificity of insulin gene expression are regulated by a set of nuclear proteins that bind to specific sequences within the promoter of the insulin gene (INS; MIM 176730) and interact with RNA polymerase to activate or repress transcription. The proteins LMX1 (MIM 600298) and CDX3 are homeodomain proteins that bind an A/T-rich sequence in the insulin promoter and stimulate its transcription (German et al., 1994 [PubMed 7698771]).[supplied by OMIM]
Other Designations	OTTHUMP00000018176 caudal type homeo box transcription factor 2 caudal type homeobox transcription factor 2

Publication Reference

- [Cdx2 as a marker of epithelial intestinal differentiation in the esophagus.](#)

Phillips RW, Frierson HF Jr, Moskaluk CA.

The American Journal of Surgical Pathology 2003 Nov; 27(11):1442.

- [CDX2, a homeobox transcription factor, upregulates transcription of the p21/WAF1/CIP1 gene.](#)

Bai YQ, Miyake S, Iwai T, Yuasa Y.

Oncogene 2003 Sep; 22(39):7942.

- [Homeodomain protein CDX2 regulates goblet-specific MUC2 gene expression.](#)

Yamamoto H, Bai YQ, Yuasa Y.

Biochemical and Biophysical Research Communications 2003 Jan; 300(4):813.

Application: GSA, Monkey, COS-7 cells

Disease

- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)