



Anti-CDX2 (internal region) polyclonal antibody (CPBT-66506GH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

This product specifically recognises human CDX2 (caudal-type homeobox protein 2), a nuclear protein and member of the caudal homeobox family, which acts as a regulator for intestinal epithelium gene transcription, and possibly for the differentiation and proliferation of intestinal epithelial cells. Studies have revealed the expression of CDX2 in intestinal-type gastric cancer, colorectal carcinomas and intestinal metaplasia of the stomach, and have implicated CDX2 as an early marker of Barretts oesophagus, the premalignant lesion of oesophageal adenocarcinoma (EAC). is not expected to recognise CDX1 or CDX4. Western Blotting detects a band of approximately 38kDa in human kidney and liver cell lysates.

Specificity	CDX2
Immunogen	Peptide sequence EQLSPGGQRRNLCE corresponding to the internal region of CDX2
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human, Dog, Mouse, Rat
Conjugate	Unconjugated
Applications	ELISA; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.02% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a

precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CDX2 caudal type homeobox 2 [Homo sapiens (human)]
Official Symbol	CDX2
Synonyms	CDX2; caudal type homeobox 2; CDX3; CDX-3; CDX2/AS; homeobox protein CDX-2; caudal-type homeobox protein 2; caudal type homeobox transcription factor 2; caudal type homeo box transcription factor 2;
Entrez Gene ID	1045
Protein Refseq	NP_001256
UniProt ID	Q99626
Chromosome Location	13q12.3
Pathway	Incretin synthesis, secretion, and inactivation; Metabolism of proteins; Peptide hormone metabolism; Synthesis, secretion, and inactivation of Glucagon-like Peptide-1 (GLP-1);
Function	RNA polymerase II distal enhancer sequence-specific DNA binding; RNA polymerase II transcription regulatory region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; double-stranded DNA binding; sequence-specific DNA binding transcription factor activity; transcription corepressor activity;