

Datasheet for ABIN499613
anti-CDX2 antibody (C-Term)



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2 Images

Overview

Quantity:	0.1 mg
Target:	CDX2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDX2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	CDX2 antibody was raised against a 16 amino acid peptide near the carboxy terminus of human CDX2.
Isotype:	IgG
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	CDX2
Alternative Name:	Cdx2 (CDX2 Products)
Background:	CDX2 is a member of the caudal homeobox family of transcription factors that also includes the proteins CDX1 and CDX4. CDX2 is strongly expressed in the trophectoderm in the blastocyst with expression maintained within the proliferating extra-embryonic ectoderm during

Target Details

development. It is required for the repression of the transcription of the POU5F1/Oct4 and NANOG genes in the outer cells of the blastocyst and is thus essential for the segregation of the inner cell mass and trophectoderm at the blastocyst stage. Aberrant expression of CDX2 is associated with numerous types of carcinomas, including intestinal metaplasia, gastric carcinoma, and acute myeloid leukemia due to deregulated HOX gene expression.Synonyms: CDX-3, CDX3, Caudal-type homeobox protein 2, Homeobox protein CDX-2

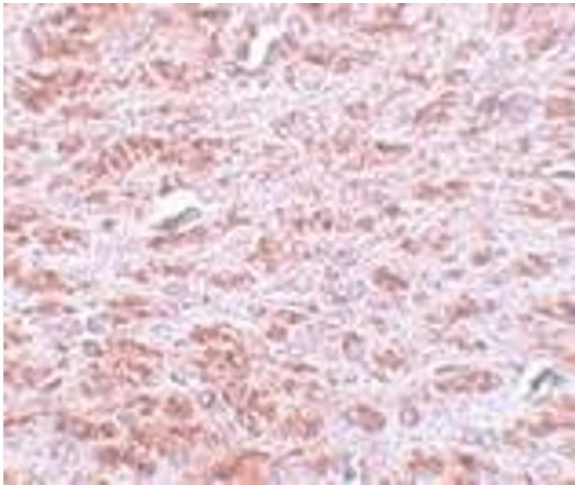
Gene ID:	1045
UniProt:	Q99626
Pathways:	Peptide Hormone Metabolism , Stem Cell Maintenance

Application Details

Application Notes:	ELISA. Western Blot: CDX2 antibody can be used for detection of CDX2 at 1 - 2 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

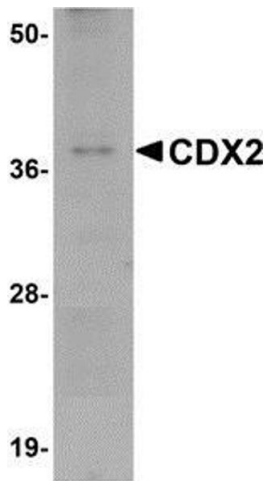
Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody (in aliquots) at -20 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of CDX2 in rat brain tissue with CDX2 antibody at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of CDX2 in mouse brain tissue lysate with AP30223PU-N CDX2 antibody at 1 µg/ml.