

Anti-Homeobox protein CDX-2 CDX2 Antibody

Catalog Number: A00877-1

About CDX2

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 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.

Overview

Product Name	Anti-Homeobox protein CDX-2 CDX2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Homeobox protein CDX-2 CDX2 Antibody (Catalog # A00877-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	CDX2 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q99626

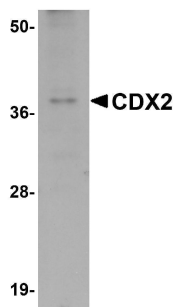
Technical Details

Immunogen	CDX2 antibody was raised against a 16 amino acid synthetic peptide near the carboxy terminus of human CDX2. The immunogen is located within amino acids 220 - 270 of CDX2.
Predicted Reactive Species	Bovine, Chicken
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	CDX2 Antibody is affinity chromatography purified via peptide column.

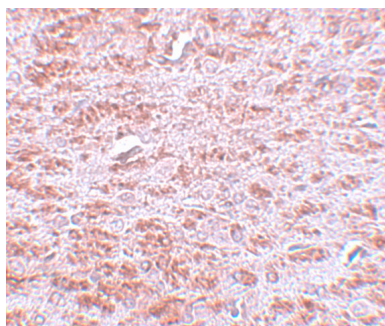
Suggested Dilutions

CDX2 antibody can be used for detection of CDX2 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

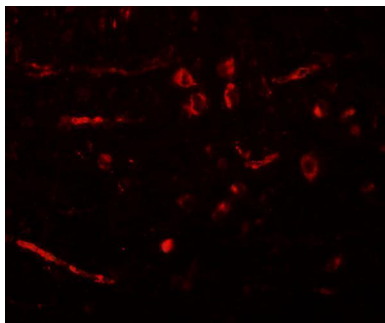
Anti-Homeobox protein CDX-2 CDX2 Antibody (A00877-1) Images



Western blot analysis of CDX2 in mouse brain tissue lysate with CDX2 antibody at 1 ug/mL.



Immunohistochemistry of CDX2 in rat brain tissue with CDX2 antibody at 5 ug/mL.



Immunofluorescence of CDX2 in rat brain tissue with CDX2 antibody at 20 ug/mL.

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