

CDX2 Antibody

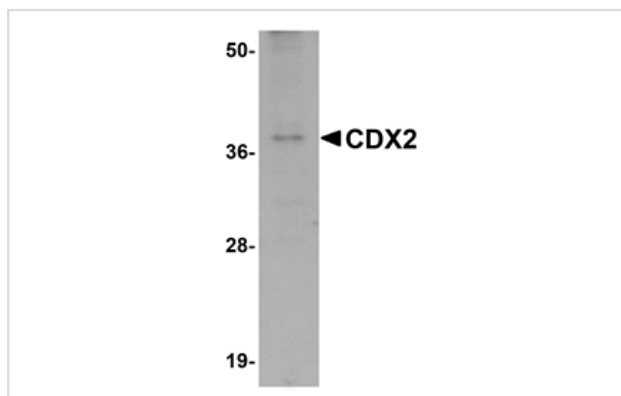
Catalog No: #25050

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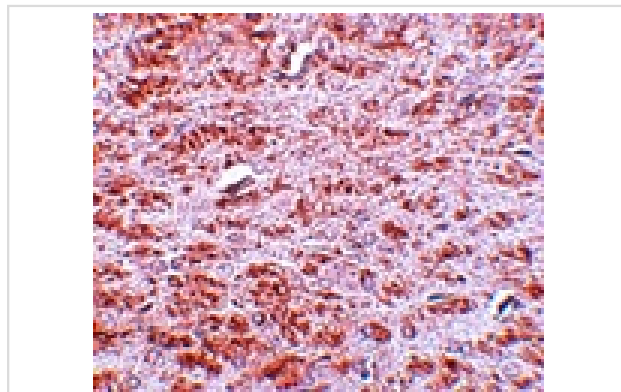
Description

Product Name	CDX2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide near the carboxy terminus of human CDX2.
Target Name	CDX2
Other Names	Caudal homeobox protein 2, caudal type homeobox 2
Accession No.	Swiss-Prot:Q99626 Gene ID:1045
Uniprot	Q99626
GeneID	1045;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

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.

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 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.

Note: This product is for in vitro research use only