

Product Name: CDX2(14H6)Mouse Monoclonal Antibody**Catalog #: AMM08595**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC/IF
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS, pH 7.4, containing 0.5%protective protein, 0.02% New type preservative N as Preservative and 50% Glycerol.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:200,ICC/IF 1:100-1:200
Molecular Weight	42kDa

Antigen Information

Gene Name	CDX2
Alternative Names	CDX2; CDX3; Homeobox protein CDX-2; CDX-3; Caudal-type homeobox protein 2
Gene ID	1045.0
SwissProt ID	Q99626
Immunogen	Synthetic Peptide of CDX2

Background

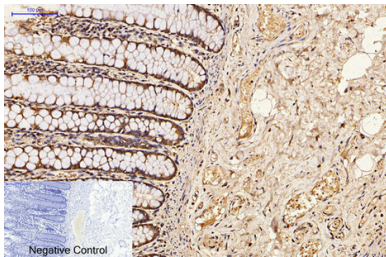
This gene is a member of the caudal-related homeobox transcription factor gene family. The encoded protein is a major regulator of intestine-specific genes involved in cell growth and differentiation. This protein also plays a role in early embryonic

development of the intestinal tract. Aberrant expression of this gene is associated with intestinal inflammation and tumorigenesis. [provided by RefSeq, Jan 2012],function:Involved in the transcriptional regulation of multiple genes expressed in the intestinal epithelium. Important in broad range of functions from early differentiation to maintenance of the intestinal epithelial lining of both the small and large intestine.,PTM:Phosphorylation of Ser-60 mediates the transactivation capacity.,similarity:Belongs to the Caudal homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,

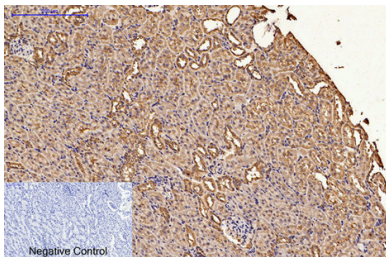
Research Area

Stem Cells

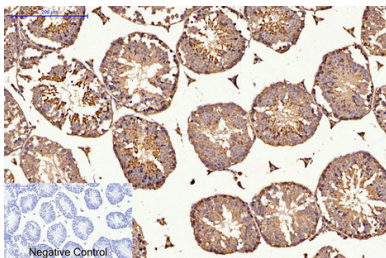
Image Data



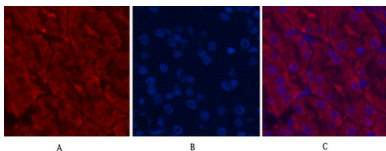
Immunohistochemical analysis of paraffin-embedded Human-colon tissue. 1,CDX2 Monoclonal Antibody (14H6) was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) . Negative control was used by secondary antibody only.



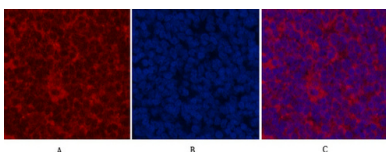
Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1,CDX2 Monoclonal Antibody (14H6) was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) . Negative control was used by secondary antibody only.



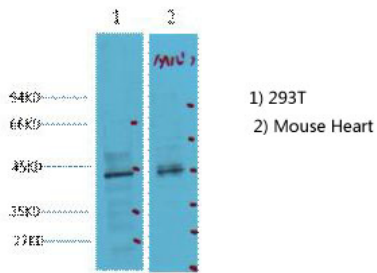
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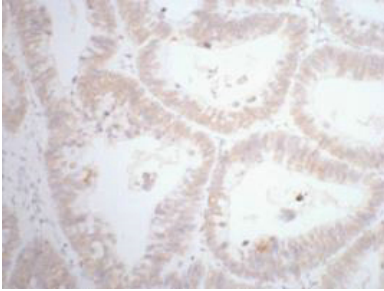
Immunofluorescence analysis of Mouse-kidney tissue. 1,CDX2 Monoclonal Antibody (14H6) (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of Rat-spleen tissue. 1,CDX2 Monoclonal Antibody (14H6) (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of 1) 293T, 2) Mouse Heart tissue, diluted at 1:2000. cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA) .



IHC staining of human rectal cancer tissue, diluted at 1:200.