

Cdx1 Rabbit mAb

Catalog No: #49939

Package Size: #49939-1 50ul #49939-2 100ul

Orders: order@signalwayantibody.com

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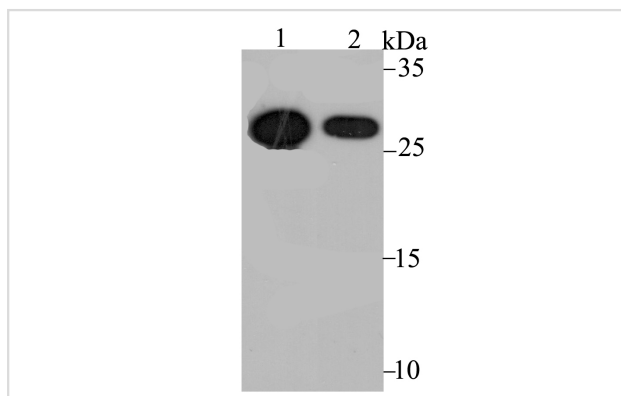
Description

Product Name	Cdx1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG38-50
Purification	ProA affinity purified
Applications	WB,ICC
Species Reactivity	Hu
Immunogen Description	Recombinant protein of full length sequence of human Cdx1.
Other Names	Caudal type homeo box transcription factor 1 antibody Caudal type homeobox 1 antibody Caudal type homeobox protein antibody Caudal type homeobox protein CDX1 antibody Caudal type homeobox transcription factor 1 antibody Caudal-type homeobox protein 1 antibody CDX1 antibody CDX1_HUMAN antibody Homeobox protein CDX 1 antibody Homeobox protein CDX-1 antibody MGC116915 antibody OTTHUMP00000160524 antibody
Accession No.	Swiss-Prot#:P47902
Uniprot	P47902
GeneID	1044;
Calculated MW	28 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

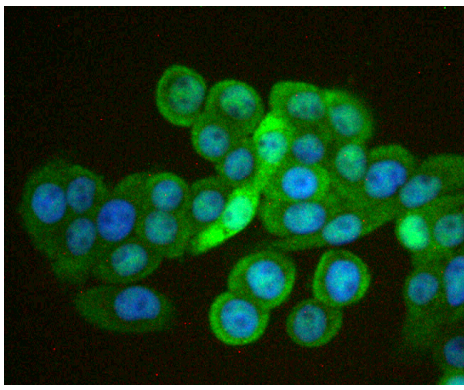
Application Details

WB: 1:500-1:2,000 ICC: 1:50-1:200

Images



Western blot analysis of Cdx1 on human small intestine tissue (1) and CRC cell (2) lysate using anti-Cdx1 antibody at 1/1,000 dilution.



ICC staining Cdx1 in HOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

The members of the murine Cdx family (Cdx1, Cdx2, and Cdx4) are members of the caudal-type homeobox family of genes, which are homologues of the *Drosophila* 'caudal' gene required for anterior-posterior regional identity. The intestine-specific transcription factors Cdx1 and Cdx2 are candidate genes for directing intestinal development, differentiation, proliferation and maintenance of the intestinal phenotype. The relative expression of Cdx1 to Cdx2 protein may be important in the anterior to posterior patterning of the intestinal epithelium and in defining patterns of proliferation and differentiation along the crypt-villus axis. Expression of the Cdx1 homeobox gene in epithelial intestinal cells promotes cellular growth and differentiation. Cdx1 positively regulates its own expression. Cdx1 and Cdx2 are expressed in the small intestine and colon of fetus and adult. A decrease in human Cdx1 and/or Cdx2 expression is associated with colorectal tumorigenesis. Both Cdx1 and Cdx2 genes must be expressed to reduce tumorigenic potential, to increase sensitivity to apoptosis and to reduce cell migration, suggesting that the two genes control the normal phenotype by independent pathways. The human Cdx1 gene maps to chromosome 5q31-q33 and encodes a 265-amino acid protein.

References

Note: This product is for in vitro research use only