



Datasheet for ABIN7504134 anti-CDX1 antibody



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1 Image

Overview

Quantity:	100 µg
Target:	CDX1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CDX1 antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant human full-length CDX1 protein
Isotype:	IgG1
Specificity:	<p>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</p>

Product Details

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 5q32 and encodes a 265-amino acid protein.

Cross-Reactivity (Details): Human.

Purification: 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G.

Target Details

Target: CDX1

Alternative Name: CDX1 ([CDX1 Products](#))

Background: Caudal type homeobox 1, Caudal type homeobox transcription factor 1, Caudal-type homeobox protein 1,CDX1,CDX1 / Caudal Type Homeobox 1 (Intestine-Specific Transcription Factor)
Cellular localisation: Nuclear

Molecular Weight: 28kDa

Gene ID: 1044, 1545

UniProt: [P47902](#)

Application Details

Application Notes: Positive Control: HT29 cells. Colon Carcinoma
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: Prepared in 10 mM PBS with 0.05 % BSA and 0.05 % 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.

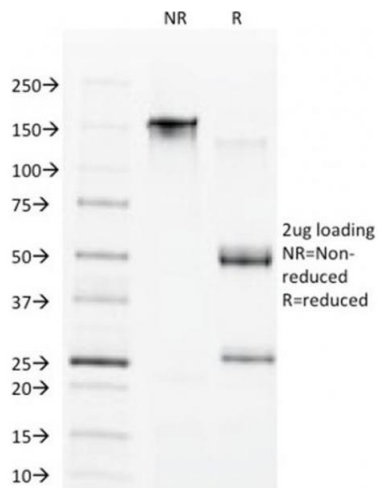
Handling

Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8 °C. Antibody is stable for 24 months. Non-hazardous. Also available WITHOUT BSA & azide at 1.0mg/ml.

Expiry Date: 24 months

Images



Western Blotting

Image 1. SDS-PAGE Analysis Purified CDX1 Mouse Monoclonal Antibody (CDX1/1650). Confirmation of Purity and Integrity of Antibody.