

CDX1 / Caudal Type Homeobox 1 (Intestine-Specific Transcription Factor) Antibody

Mouse Monoclonal Antibody [Clone CDX1/1650]

| Catalog No | Format | Size |
|-----------------|---|--------|
| 1044-MSM1-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 1044-MSM1-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 1044-MSM1-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

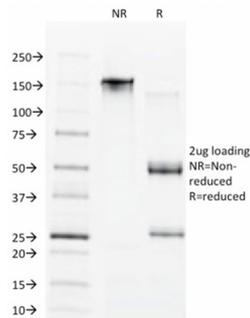
| Applications | Tested Dillution | Note |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

Product Details

| | |
|-------------------------------|--|
| Clone | CDX1/1650 |
| Gene Name | CDX1 |
| Immunogen | Recombinant human full-length CDX1 protein |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG1 / Kappa |
| Mol. Weight of Antigen | 28kDa |
| Cellular Localization | Nucleus |
| Species Reactivity | Human |
| Positive Control | HT29 cells. Colon Carcinoma |

*Optimal dilution for a specific application should be determined.

Product Images for CDX1 / Caudal Type Homeobox 1 (Intestine-Specific Transcription Factor) Antibody



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

Specificity & Comments

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 5q32 and encodes a 265-amino acid protein.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Stem Cell Differentiation
