

Mouse anti-Human CDX2/Caudal Type Homeobox 2 Antibody | anti-CDX2 antibody

CDX2/Caudal Type Homeobox 2 (GI Epithelial Marker)

CATALOG # AAA214880	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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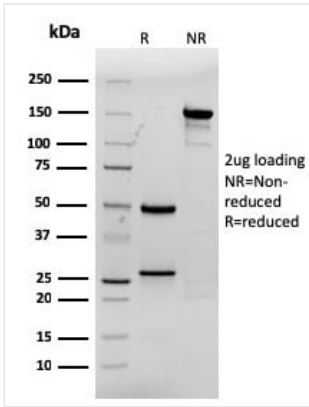
PRODUCT SYNONYMS

CDX2/Caudal Type Homeobox 2; CDX2/Caudal Type Homeobox 2 (GI Epithelial Marker); Caudal type homeobox 2; Caudal type homeobox transcription factor 2; Caudal-type homeobox protein 2; CDX2; anti-CDX2 antibody

PRODUCT SPECIFICATIONS

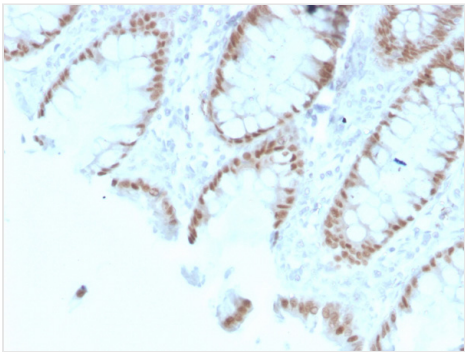
Host	Mouse
Reactivity	Human
Isotype	IgG1, kappa
Clone Number	rCDX2/1690
Specificity	The intestine-specific transcription factors CDX1 and CDX2 are important for directing intestinal development, differentiation, proliferation and maintenance of the intestinal phenotype. CDX2 protein expression has been seen in GI carcinomas. Anti-CDX2 has been useful to establish GI origin of metastatic adenocarcinomas and carcinoids and is especially useful to distinguish metastatic colorectal adenocarcinoma from lung adenocarcinoma. However, mucinous carcinomas of the ovary also express CDX2 protein. It limits the usefulness of this marker in the distinction of metastatic colorectal adenocarcinoma from mucinous carcinoma of the ovary.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	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.
Sequence Length	313
Applicable Applications for anti-CDX2 antibody	IHC (Immunohistochemistry), ELISA
Positive Control	Human colon carcinoma (IHC).
Immunogen	Recombinant fragment (around aa150-249) of human CDX2 protein (exact sequence is proprietary)
Cellular Localization	Nuclear
Hu-chromosome Location	13q12.2
Antibody Type	Recombinant Mouse Monoclonal Antibody
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



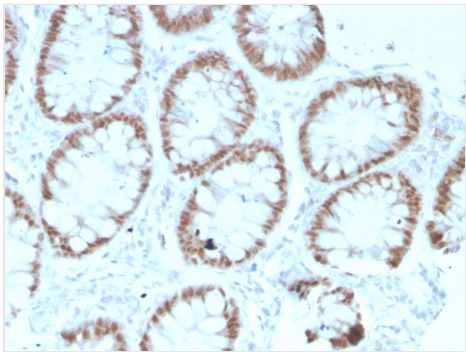
SDS-PAGE

SDS-PAGE Analysis Purified CDX2 Mouse Monoclonal Antibody (rCDX2/1690). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Colon stained with CDX2 Mouse Monoclonal Antibody (rCDX2/1690).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Colon stained with CDX2 Mouse Monoclonal Antibody (rCDX2/1690).

ADDITIONAL INFORMATION

References	1. Mallo, G.V., et al. 1998. Expression of the Cdx1 and Cdx2 homeotic genes leads to reduced malignancy in colon cancer-derived cells. J. Biol. Chem. 273: 14030-14036. 2. Silberg, D.G., et al. 2000. Cdx1 and cdx2 expression during intestinal development. Gastroenterology 119: 961-971
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NCBI AND UNIPROT INFORMATION

NCBI GI #	372624392
NCBI GeneID	1045
NCBI Accession #	NP_001256.3
NCBI GenBank Nucleotide #	NP_001256.3
UniProt Accession #	Q99626
Molecular Weight	40kDa
NCBI Official Full Name	homeobox protein CDX-2 isoform 1
NCBI Official Synonym Full Names	caudal type homeobox 2
NCBI Official Symbol	CDX2
NCBI Official Synonym Symbols	CDX3; CDX-3; CDX2/AS
NCBI Protein Information	homeobox protein CDX-2

UniProt Protein Name	Homeobox protein CDX-2
UniProt Gene Name	CDX2
UniProt Synonym Gene Names	CDX3
UniProt Entry Name	CDX2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-human-antibody/cdx2-caudal-type-homeobox-2/214880>