Datasheet for ABIN7504158

Recombinant anti-CDX2 antibody

2 Images

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Overview

Quantity:	100 µg
Target:	CDX2
Reactivity:	Human, Synthetic
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CDX2 antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragments and synthetic peptides from human CDX2 protein (exact sequences are proprietary)
Isotype:	IgG1
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 carcinoidsand 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.
Cross-Reactivity (Details):	Human.

Product Details

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

Target Details

Target:	CDX2
Alternative Name:	CDX2 (CDX2 Products)
Background:	Caudal type homeobox 2, Caudal type homeobox transcription factor 2, Caudal-type homeobox protein 2, CDX2,CDX2 / Caudal Type Homeobox 2 (GI Epithelial Marker) Cellular localisation: Nuclear
Molecular Weight:	40kDa
Gene ID:	1045, 174249
UniProt:	Q99626
Pathways:	Peptide Hormone Metabolism, Stem Cell Maintenance

Application Details

Application Notes:	Positive Control: HT29 cells. Human 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 &degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

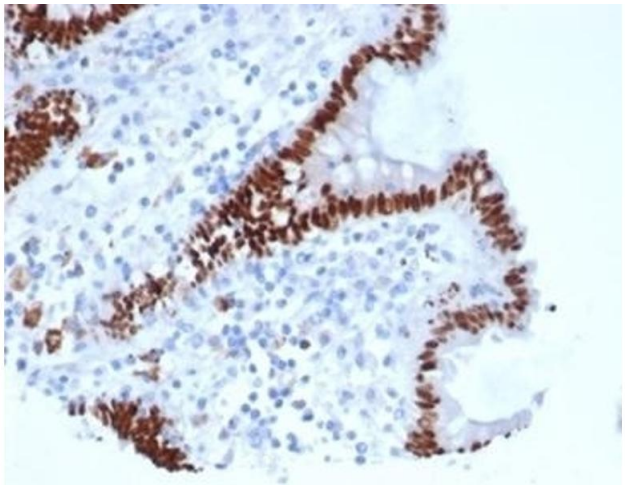
Handling

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.
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.

Handling

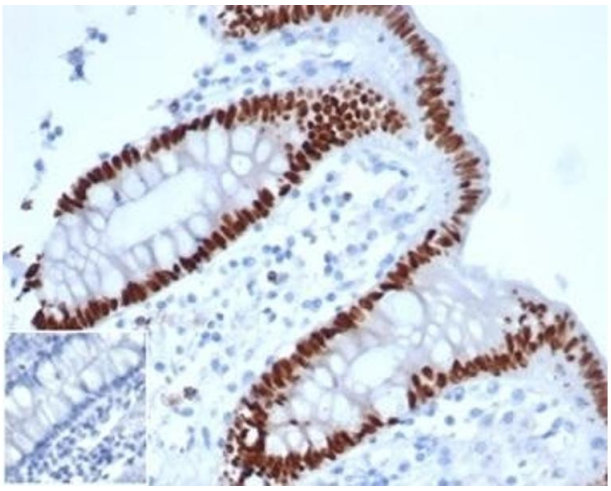
Expiry Date:	24 months

Images



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human colon carcinoma stained with CDX2 Recombinant Mouse Monoclonal Antibody (rCDX2/6921).



Immunohistochemistry

Image 2. IHC analysis of formalin-fixed, paraffin-embedded human colon adenocarcinoma. Strong nuclear staining using rCDX2/6921 at 2 µg/mL in PBS for 30 min RT. Inset: PBS instead of primary, secondary antibody control.