Datasheet for ABIN6939058

anti-CDX2 antibody

3 Images

Go to Product page

Overview

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

Product Details

Immunogen:	Recombinant human full-length CDX2 protein
Clone:	CDX2-2214
Isotype:	IgG1
Specificity:	The specificity of this monoclonal antibody to its intended target was validated by HuProtTM Array, containing more than 19,000, full-length human proteins. 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.

Product Details

Cross-Reactivity (Details):	Human,
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. Colon Carcinoma. Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues is enhanced by 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

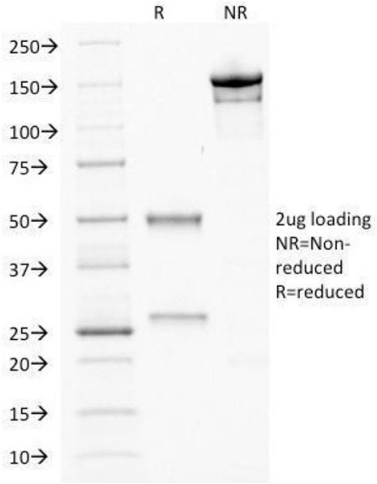
Handling

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

Handling

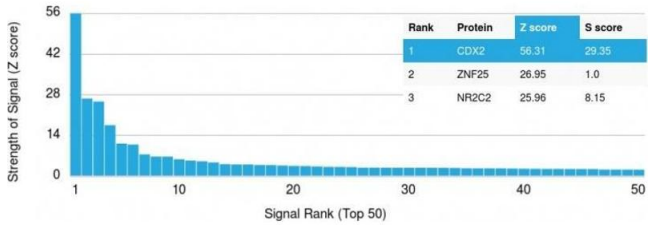
	available WITHOUT BSA & azide at 1.0mg/ml.
Expiry Date:	24 months

Images



SDS-PAGE

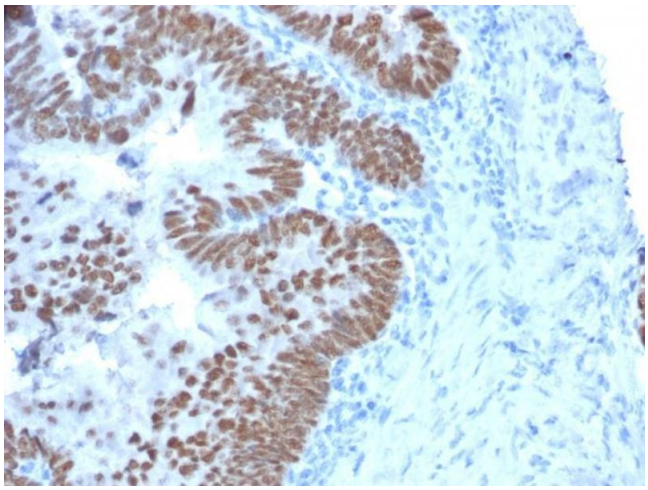
Image 1. SDS-PAGE Analysis Purified CDX2 Mouse Monoclonal Antibody (CDX2/2214). Confirmation of Purity and Integrity of Antibody.



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using CDX2 Mouse Monoclonal Antibody (CDX2/2214). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to

29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CDX2 Mouse Monoclonal Antibody (CDX2/2214).

