

CDX2 / Caudal Type Homeobox 2 (GI Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone CDX2/1690]

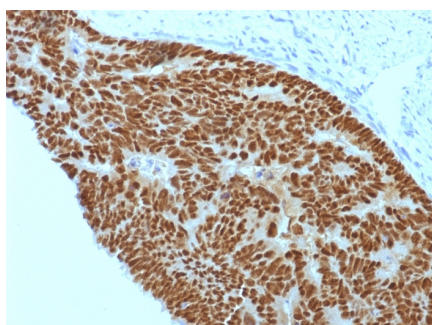
Catalog No	Format	Size
1045-MSM1-P0	Purified Ab with BSA and Azide	200ug/ml
1045-MSM1-P1	Purified Ab with BSA and Azide	200ug/ml
1045-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml

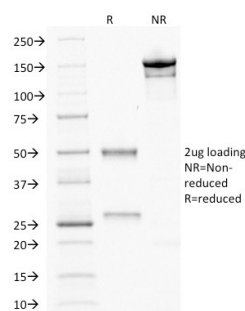
Product Details	
Clone	CDX2/1690
Gene Name	CDX2
Immunogen	Recombinant fragment (around aa150-249) of human CDX2 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	40kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HT29 cells. Colon Carcinoma.

**Optimal dilution for a specific application should be determined.*

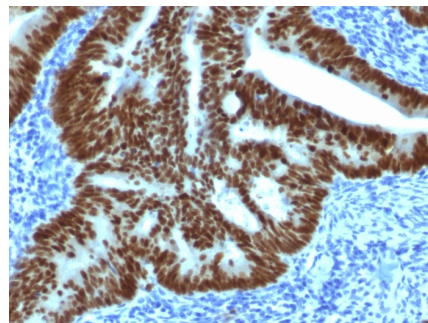
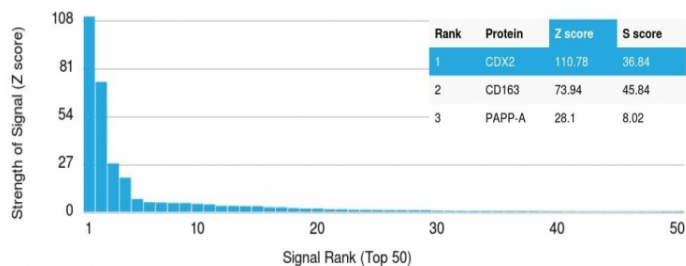
Product Images for CDX2 / Caudal Type Homeobox 2 (GI Epithelial Marker) Antibody



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



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



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

Analysis of Protein Array containing >19,000 full-length human proteins using CDX2 Mouse Monoclonal Antibody (CDX2/1690) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD, σ s) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD, σ s) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb 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 MAb to protein X is equal to 29.

Specificity & Comments

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.

Research Areas

Cancer, Nuclear Marker, Stem Cell Differentiation

Known Applications & Suggested Dilutions

ELISA (Use Ab at 2-4ug/ml for coating) (Order Ab without BSA) | Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT), (Staining of formalin-fixed tissues is enhanced by 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), Optimal dilution for a specific application should be determined.

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.