CDX2 (Clone EPR2764Y)

Rabbit Monoclonal Antibody

Produced by Epitomics, Inc. Using Technology Licensed Under Patent no. 5,675,063
Cat. #RM-2116-S0 or -S (0.1ml or 1.0ml Supernatant)
Cat. #RM-2116-R7 (7.0ml) (Ready-to-Use for Immunohistochemical Staining)

Please note this data shet has been changed effective March 29, 2010

Description: The caudal-related homeodomain protein2 (CDX2) is a transcription factor shown to play a role in the development of small and large intestine in mammals and in the differentiation of intestinal epithelial cells. It has been shown that CDX2 protein detection by IHC coorelates with RNA transcript levels. In studies using 745 cancers from many anatomic sites, colonic adenocarcinomas demonstrated strong staining in 90% of the cases, while adenocarcinomas of the stomach, esophagus and ovary showed extensive staining in only 30% of the cases. Stains of CDX2 and Villin are useful markers in differntial diagnosis of bladder adenocarcinoma and secondary colorectal adenocarcinoma[2].

Mol. Wt. Of Antigen: 40kDa

Epitope: not determined

Ig Isotype: Rabbit IgG

Species Reactivity: Human. Others not tested.

Clone Designation: EPR2764Y

Immunogen: A synthetic peptide corresponding to residues near the N-terminus of human CDX2

Applications and Suggested Dilutions:

- Immunohistology (Formalin/paraffin)

(Use Ab 1:100 for 20 min with UltraVision LP and Quanto systems)

* (Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10mM Citrate, pH 6.0 (cat. # AP-9003-XXX or TA-XXX-PM1X), heating to 98ºC for 20 min using the Thermo Scientific PT Module)

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Colon carcinomas

Cellular Localization: Nuclear with occasional cytoplasmic staining on colon carcinoma

Supplied As:

Tissue culture supernatant with 15mM sodium azide.

or

Prediluted antibody which is ready-to-use for immunohistochemical staining.

Storage and Stability: Store vial at 4^0C. When stored at 2-8^0C, this antibody is stable for 24 months.

References:

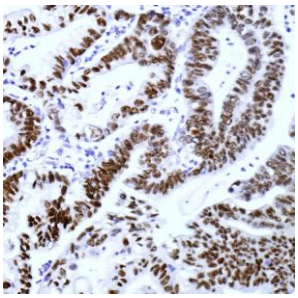
1. **Moskaluk, C A, et al.**
2. **Suh N. et al. Modern Pathol (2005) 18: 1217-1222**

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.



Formalin-fixed, paraffin-embedded colon carcinoma stained with rabbit monoclonal anti-CDX2 antibody (cat. #RM-2116-S) using peroxidase conjugate and DAB chromogen. Note nuclear staining.

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