

CDX2; Clone EP25 (Ready-To-Use)

Availability/Contents:	<u>Item #</u>	<u>Volume</u>
	A00147-0002	2 ml
	A00147-0007	7 ml
	A00147-0025	25 ml

Description:

Species:	Rabbit
Immunogen:	Rabbits were injected with a synthetic peptide corresponding to residues near the C-terminus of human CDX-2.
Clone:	EP25
Isotype:	Rabbit IgG
Entrez Gene ID:	1045
Hu Chromosome Loc.:	13q12.3 by Entrez Gene
Synonyms:	Caudal Type Homeobox 2, CDX3, Caudal Type Homeo Box Transcription Factor 2, Caudal-Type Homeobox Protein 2, Homeobox Protein CDX-2
Mol. Weight of Antigen:	Unknown
Format:	This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections. No further titration is required.
Specificity:	CDX-2 expression is restricted to nuclear staining in positive cells.
Background:	The caudal-related homeodomain protein 2 (CDX-2) which encodes an intestine-specific transcription factor is expressed in the nuclei of epithelial cells throughout the intestine, from duodenum to rectum. CDX-2 is thought to play an important role in the proliferation and differentiation of intestinal epithelial cells. The CDX-2 protein is expressed in primary and metastatic colorectal carcinomas, intestinal metaplasia of the stomach, and intestinal type gastric cancer. In human colorectal cancer, the expression of both CDX-2 and carbonic anhydrase 1, a gene regulated by CDX-2, is reduced or absent. However, CDX-2 is one of the important regulators in defining pathways seen in selected non-GI adenocarcinomas such as mucinous ovarian carcinomas and adenocarcinomas of the urinary bladder.
Species Reactivity:	Human
Positive Control:	Colon for normal tissue and colon adenocarcinoma for abnormal tissue.
Cellular Localization:	Nuclear
Titer/Working Dilution:	No further dilution is required.
Microbiological State:	This product is not sterile.

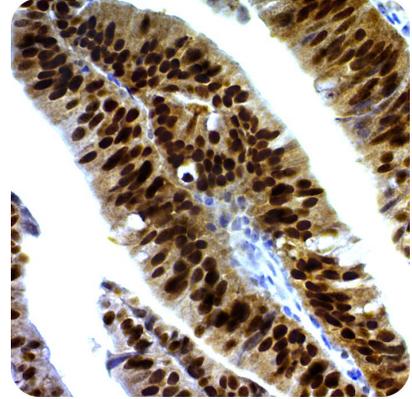
Storage: 2° C  8° C

 ScyTek Laboratories, Inc.
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U.S.A.

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Molsnstraat 15
2513 BH Hague, The Netherlands

Uses/Limitations: Not to be taken internally.
 For In Vitro Diagnostic Use.
 This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
 Do not use if reagent becomes cloudy.
 Do not use past expiration date.
 Non-Sterile.



Formalin-fixed, paraffin-embedded human colon carcinoma (400X) stained with Ultra-Tek HRP and DAB Chromogen.

Ordering Information and Current Pricing at www.scytek.com

Procedure:

1. **Tissue Section Pretreatment (Highly Recommended):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500).
2. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.
3. **Visualization:** For maximum staining intensity we recommend the “UltraTek HRP Anti-Polyvalent Lab Pack” (ScyTek catalog# UHP125, see IFU for instructions) combined with the “DAB Chromogen/Substrate Bulk Pack (High Contrast)” (ScyTek catalog# ACV500, see IFU for instructions).

Precautions: Contains Sodium Azide as a preservative (0.09% w/v).
 Do not pipette by mouth.
 Avoid contact of reagents and specimens with skin and mucous membranes.
 Avoid microbial contamination of reagents or increased nonspecific staining may occur.
 This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

References:

1. Drummond F, et al. *Ann Hum Genet* 61(5): 393-400.
2. Gregory PA, et al. *Pharmacogenet Genomics* 16(7): 527-36, 2006.
3. Werling RW, Yaziji H, Bacchi CE, Gown AM. *Am J Surg Pathol.* 27(3): 303-10, 2003.

Note: CDX-2 bearing EP Clone EP25 is Manufactured using Epitomics’s RabMAb® technology under U.S. Patent Nos. 5,675,063 and 7,402,409.

Warranty: No products or “Instructions For Use (IFU)” 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 IFU or website. Our warranty is limited to the actual price paid for the product. ScyTek Laboratories, Inc. is not liable for any property damage, personal injury, time or effort or economic loss caused by our products. Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining can cause inconsistent results. Variations in fixation and embedding or the inherent nature of the tissue specimen may cause variations in results. Endogenous peroxidase activity or pseudoperoxidase activity in erythrocytes and endogenous biotin may cause non-specific staining depending on detection system used.

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