

## CDX2 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50018

Clone# BP6023

**Predicted Molecular Wt:** 34kDa  
**Species Cross-reactivity:** Human  
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG  
**Form:** Liquid  
**Swissprot ID:** Q99626

### Background:

CDX2 is a homeobox gene encoding nuclear homeodomain transcriptional factor essential to intestinal organogenesis. CDX2 is crucial for differentiation of epithelium in the intestine, pancreas and biliary tract. CDX2 interacts with the tumour suppressor genes APC and E-cadherin, as well as bcl-2.

In the intestine (from duodenum to rectum) CDX2 nuclear protein is demonstrated strongly and uniformly in all types of epithelial cells. In pancreas and biliary tract CDX2 protein is demonstrated in scattered ductal cells. In tumor tissues, CDX2 is positive in the large majority cases of colorectal and appendiceal adenocarcinomas.

CDX2 is a relatively sensitive and specific marker for "intestinal" adenocarcinomas. In the classification of (adeno-)carcinomas of the unknown primary, CDX2 is an important marker but should always be included in a panel. Also in order to identify the origin of neuroendocrine tumors, CDX2 is useful in a panel.

### Subcellular location:

Nucleus

### Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

### Immunogen:

Synthetic peptide corresponding to CDX2 residues within aa1-100 of CDX2 was used as an immunogen.

### Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

### Storage conditions:

-20°C

### Storage instructions:

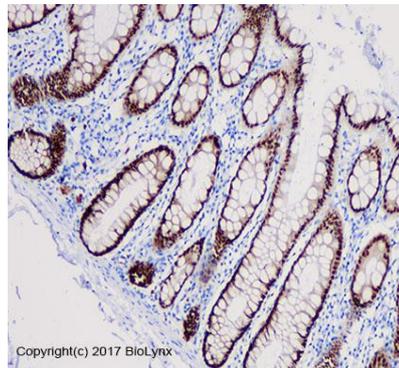
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

### Recommended Dilutions:

IHC-P: 1:100-1:200

### Background References:

1. Xin S, et.al, Oncology. 2007;73(5-6):357-65.
2. Werling RW, et.al, Am J Surg Pathol. 2003 Mar;27(3):303-10.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue labelling CDX2 with BP6023. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.