


Product datasheet

Anti-CDX2 antibody [EPR2764Y] - BSA and Azide free ab220799

Recombinant RabMAb

[11 References](#) [13 Images](#)

Overview

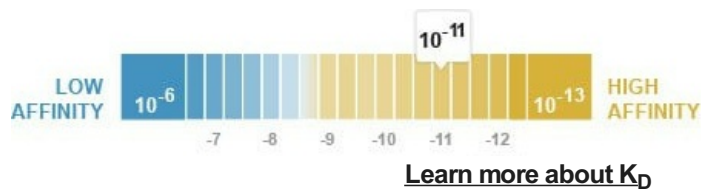
Product name	Anti-CDX2 antibody [EPR2764Y] - BSA and Azide free
Description	Rabbit monoclonal [EPR2764Y] to CDX2 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt (Intra), ICC/IF or IP
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Rabbit 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: human gastric adenocarcinoma tissue. human colonic adenocarcinoma and human, rat and mouse colon tissue.
General notes	<p>ab220799 is the carrier-free version of ab76541.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p>

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Dissociation constant (K_D)	K _D = 1.00 x 10 ⁻¹¹ M



Storage buffer	pH: 7.20 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR2764Y
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab220799 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 40 kDa (predicted molecular weight: 34 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See IHC antigen retrieval protocols .

Application notes Is unsuitable for Flow Cyt (Intra), ICC/IF or IP.

Target

Function Involved in the transcriptional regulation of multiple genes expressed in the intestinal epithelium.

Important in broad range of functions from early differentiation to maintenance of the intestinal epithelial lining of both the small and large intestine.

Sequence similarities

Belongs to the Caudal homeobox family.

Contains 1 homeobox DNA-binding domain.

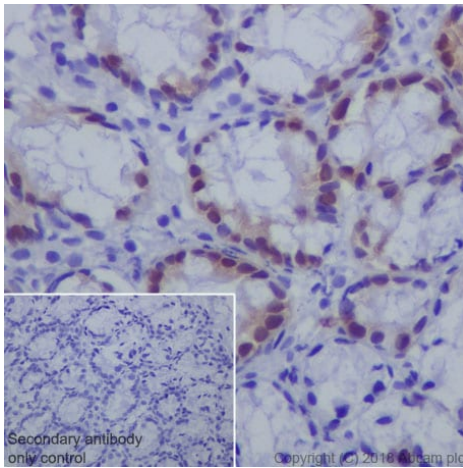
Post-translational modifications

Phosphorylation of Ser-60 mediates the transactivation capacity.

Cellular localization

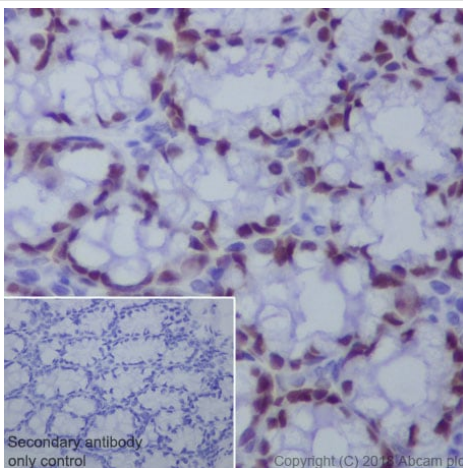
Nucleus.

Images



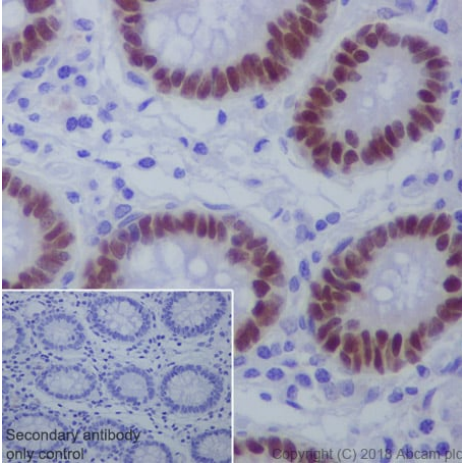
This image was made using [ab76541](#) which is the same antibody as ab220799 with BSA and Azide
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Rat colon tissue sections labeling CDX2 with Purified [ab76541](#) at 1:1000 dilution (0.8 µg/ml). Heat mediated antigen retrieval was performed using [ab93684](#) (Tris/EDTA buffer, pH 9.0). Goat Anti-Rabbit IgG H&L (HRP) [ab97051](#) was used as the secondary antibody. Negative control:PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDX2 antibody
[EPR2764Y] - BSA and Azide free (ab220799)



This image was made using [ab76541](#) which is the same antibody as ab220799 with BSA and Azide
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse colon tissue sections labeling CDX2 with Purified [ab76541](#) at 1:1000 dilution (0.8 µg/ml). Heat mediated antigen retrieval was performed using [ab93684](#) (Tris/EDTA buffer, pH 9.0). Goat Anti-Rabbit IgG H&L (HRP) [ab97051](#) was used as the secondary antibody. Negative control:PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

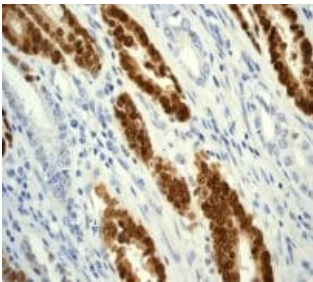
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDX2 antibody
[EPR2764Y] - BSA and Azide free (ab220799)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDX2 antibody [EPR2764Y] - BSA and Azide free (ab220799)

This image was made using **ab76541** which is the same antibody as ab220799 with BSA and Azide

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human colon tissue sections labeling CDX2 with Purified **ab76541** at 1:1000 dilution (0.8 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). Goat Anti-Rabbit IgG H&L (HRP) **ab97051** was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

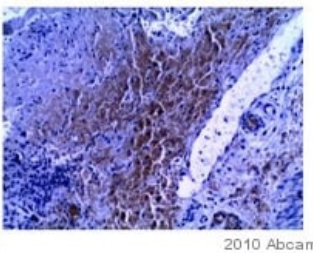


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDX2 antibody [EPR2764Y] - BSA and Azide free (ab220799)

Unpurified **ab76541**, at 1/250 dilution, staining CDX2 in paraffin-embedded human gastric adenocarcinoma tissue, by immunohistochemistry.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76541**).

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

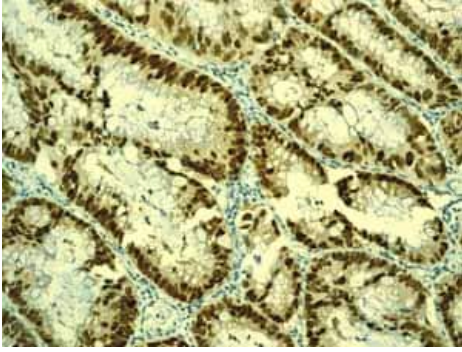


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDX2 antibody [EPR2764Y] - BSA and Azide free (ab220799)

This image is courtesy of an anonymous Abreview.

Unpurified **ab76541** staining CDX2 in Human intestinal tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and blocked with 5% BSA for 1 hours at 25°C; antigen retrieval was by heat mediation. Samples were incubated with primary antibody (1/100 in PBS containing 5% BSA) for 18 hours at 4°C. An HRP-conjugated goat anti-rabbit IgG polyclonal (1/500) was used as the secondary antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76541**).

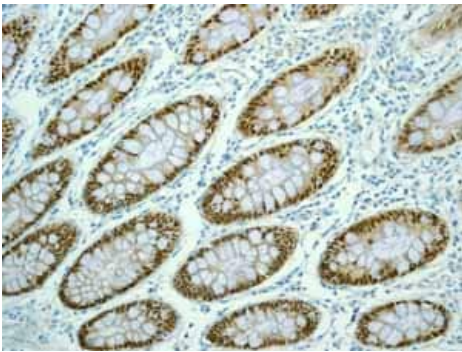


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDX2 antibody [EPR2764Y] - BSA and Azide free (ab220799)

Unpurified [ab76541](#) showing positive staining in human Colonic adenocarcinoma tissue.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab76541](#)).

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

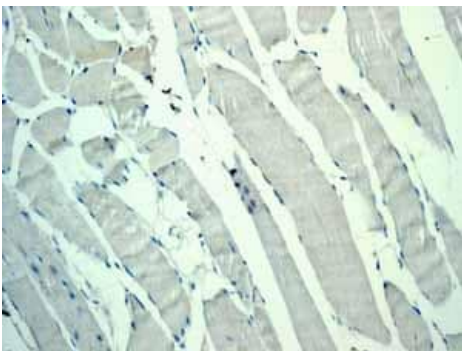


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDX2 antibody [EPR2764Y] - BSA and Azide free (ab220799)

Unpurified [ab76541](#) showing positive staining in Normal human colon tissue.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab76541](#)).

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

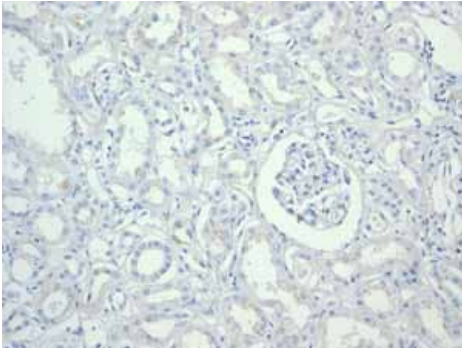


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDX2 antibody [EPR2764Y] - BSA and Azide free (ab220799)

Unpurified [ab76541](#) showing negative staining in human Skeletal muscle tissue.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab76541](#)).

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

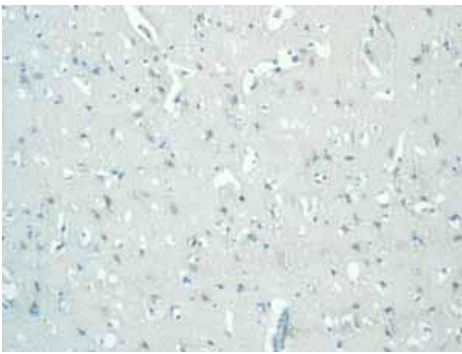


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDX2 antibody [EPR2764Y] - BSA and Azide free (ab220799)

Unpurified **ab76541** showing negative staining in Normal human kidney tissue.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76541**).

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

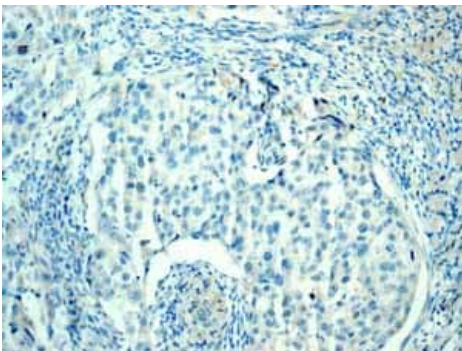


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDX2 antibody [EPR2764Y] - BSA and Azide free (ab220799)

Unpurified **ab76541** showing negative staining in Normal human brain tissue.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76541**).

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

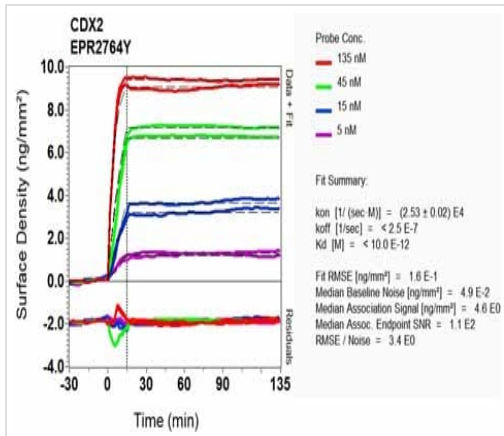


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDX2 antibody [EPR2764Y] - BSA and Azide free (ab220799)

Unpurified **ab76541** showing negative staining in Normal human brain tissue.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76541**).

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



SPR Scanning - Anti-CDX2 antibody [EPR2764Y] - BSA and Azide free (ab220799)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76541**).

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-CDX2 antibody [EPR2764Y] - BSA and Azide free (ab220799)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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