

Product datasheet

Anti-CDX2 antibody [SP54] - BSA and Azide free
ab240936

Recombinant RabMAb

6 Images

Overview

Product name	Anti-CDX2 antibody [SP54] - BSA and Azide free
Description	Rabbit monoclonal [SP54] to CDX2 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human colon carcinoma tissue. Flow Cyt (intra): HT-29 cells. ICC/IF: Caco-2 cells
General notes	<p>ab240936 is the carrier-free version of ab101532.</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> <p>This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.20 Constituent: PBS
Carrier free	Yes
Purity	Protein A/G purified
Purification notes	Purified from TCS by protein A/G.
Clonality	Monoclonal
Clone number	SP54
Isotype	IgG

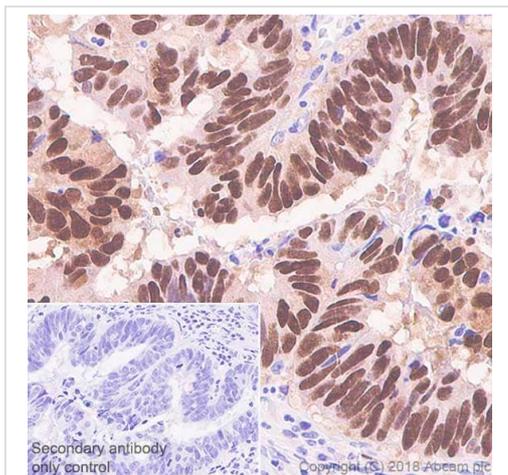
Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab240936 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
Flow Cyt (Intra)		Use at an assay dependent concentration. ab199376 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Boil tissue section in 10mM Citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.
ICC/IF		Use at an assay dependent concentration.

Target

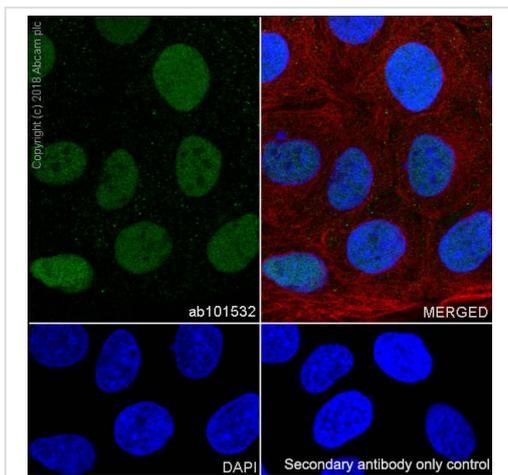
Function	Involved in the transcriptional regulation of multiple genes expressed in the intestinal epithelium. Important in broad range of functions from early differentiation to maintenance of the intestinal epithelial lining of both the small and large intestine.
Sequence similarities	Belongs to the Caudal homeobox family. Contains 1 homeobox DNA-binding domain.
Post-translational modifications	Phosphorylation of Ser-60 mediates the transactivation capacity.
Cellular localization	Nucleus.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDX2 antibody [SP54] - BSA and Azide free (ab240936)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human colon carcinoma tissue sections labeling CDX2 with [ab101532](#) at 1/100 dilution (1.11 µg/ml). Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on the human colon carcinoma, performed on a Leica Biosystems BOND™ RX instrument. The section was incubated with [ab101532](#) for 30 mins at room temperature.

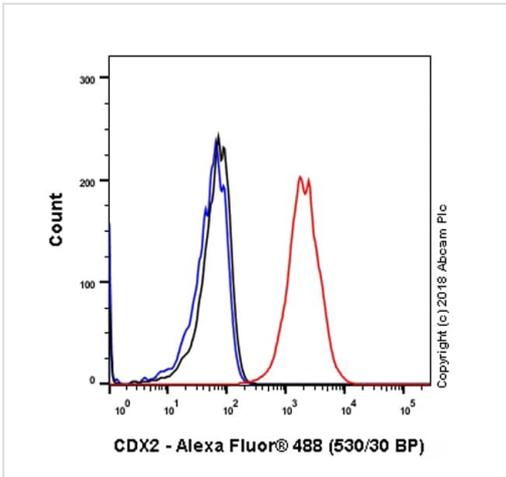
This image was generated using [ab101532](#), the same clone, but with a different buffer formulation.



Immunocytochemistry/ Immunofluorescence - Anti-CDX2 antibody [SP54] - BSA and Azide free (ab240936)

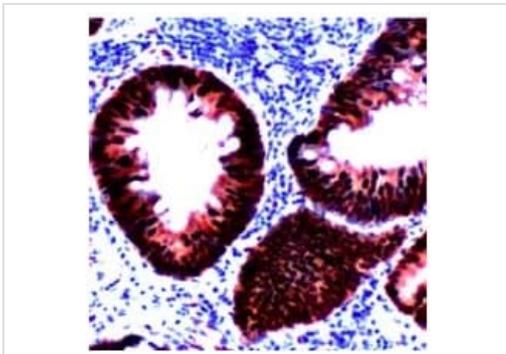
Immunocytochemistry/ Immunofluorescence analysis of Caco-2 (human colorectal adenocarcinoma epithelial cell) cells labeling CDX2 with purified [ab101532](#) at 1/50 (2.22 µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with [ab195889](#) Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

This image was generated using [ab101532](#), the same clone, but with a different buffer formulation.



Flow Cytometry (Intracellular) - Anti-CDX2 antibody [SP54] - BSA and Azide free (ab240936)

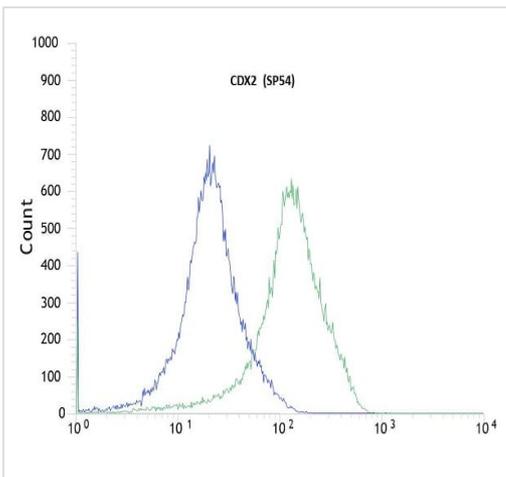
Intracellular Flow Cytometry analysis of Caco-2 (human colorectal adenocarcinoma epithelial cell) labeling CDX2 with purified [ab101532](#) at 1/200 dilution (0.56µg/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Goat anti rabbit IgG (Alexa Fluor®488, [ab150077](#)) at 1/2000 dilution was used as a secondary antibody. Isotype control -Rabbit monoclonal IgG ([ab172730](#)) (black). Unlabeled control -Unlabelled cells (blue). This image was generated using [ab101532](#), the same clone, but with a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDX2 antibody [SP54] - BSA and Azide free (ab240936)

Staining of CDX2 in a Formalin/PFA-fixed paraffin-embedded section of human colon carcinoma tissue using [ab101532](#) at a dilution of 1/100.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide ([ab101532](#))



Flow Cytometry (Intracellular) - Anti-CDX2 antibody [SP54] - BSA and Azide free (ab240936)

Intracellular flow cytometric analysis of rabbit anti-CDX2 (SP54) antibody [ab101532](#) (1/100)in HT29 cells (green) compared to negative control of rabbit IgG (blue).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide ([ab101532](#))

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 [SP54] - BSA and Azide free
(ab240936)

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

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