


Product datasheet

Anti-CDX2 antibody [SP54] ab101532

Recombinant RabMAb

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Overview

Product name	Anti-CDX2 antibody [SP54]
Description	Rabbit monoclonal [SP54] to CDX2
Host species	Rabbit
Tested applications	Suitable for: IHC-P, Flow Cyt (Intra), ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide within Human CDX2 aa 100-200 (N terminal). The exact sequence is proprietary. Database link: Q99626
Positive control	IHC-P: Human colon carcinoma tissue. Flow Cyt: HT-29 and Caco-2 cells ICC/IF: Caco-2 cells
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
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 ab101532 in the following tested applications.

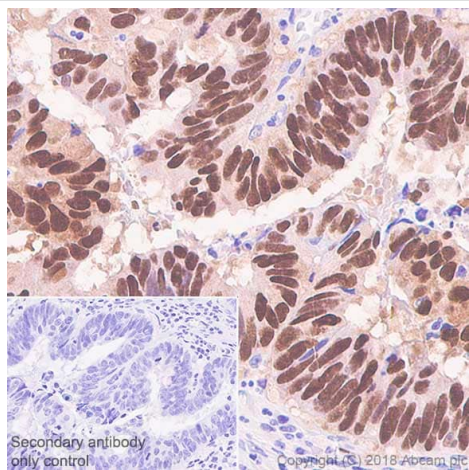
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100. 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.
Flow Cyt (Intra)		1/200. ab199376 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		1/50.

Target

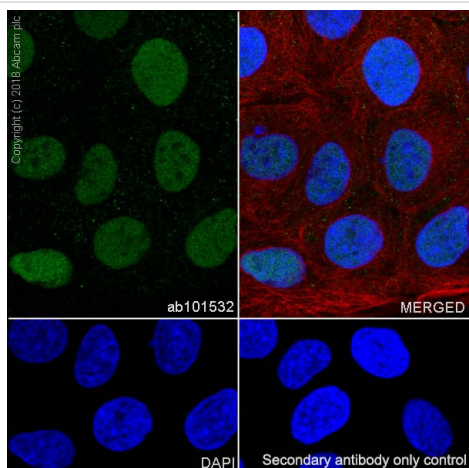
Function	Involved in the transcriptional regulation of multiple genes expressed in the intestinal epithelium. Important in broad range of functions from early differentiation to maintenance of the intestinal epithelial lining of both the small and large intestine.
Sequence similarities	Belongs to the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

Images



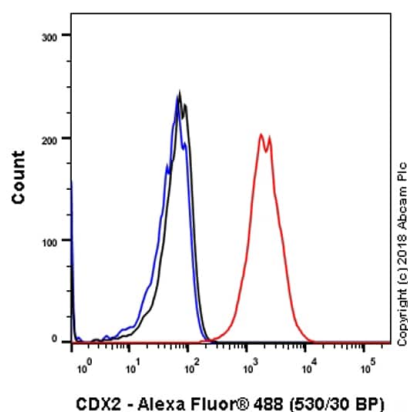
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDX2 antibody [SP54] (ab101532)

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.



Immunocytochemistry/ Immunofluorescence - Anti-CDX2 antibody [SP54] (ab101532)

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.



Flow Cytometry (Intracellular) - Anti-CDX2 antibody [SP54] (ab101532)

Flow cytometry analysis of Caco-2 (human colorectal adenocarcinoma epithelial cell) labeling CDX2 with purified ab101532 at 1/200 dilution (0.56 µg/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).

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] (ab101532)

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