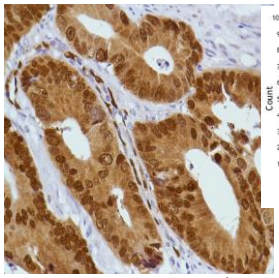
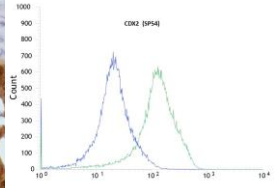
Rabbit Anti-CDX2 Monoclonal Antibody (Clone SP54)



Human colon adenocarcinoma stained with Anti-CDX2 antibody



Flow cytometric analysis of rabbit anti-CDX2 (SP54) antibody in HT29 (green) compare to negative control of rabbit IgG (blue)

CATALOG #:

M3540 0.1 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

M3542 0.5 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

M3544 1.0 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

M3541 7.0 ml pre-diluted rabbit monoclonal antibody purified by protein A/G in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

INTENDED USE: For Research Use Only. Not for use in diagnostic procedures.

CLONE: SP54

IMMUNOGEN: Synthetic peptide corresponding to N-terminus of human CDX2.

IG ISOTYPE: Rabbit IgG

EPITOPE: Not determined

MOLECULAR WEIGHT 37kDa

SPECIES REACTIVITY: Human (tested). (See www.springbio.com for information on species reactivity predicted by sequence homology.)

DESCRIPTION: CDX2 is a caudal type homeobox gene that encodes an intestine-specific transcription factor that is expressed early in intestinal development and may be involved in the regulation of proliferation and differentiation of intestinal epithelial cells. It is expressed in the nuclei of epithelial cells throughout the intestine, from duodenum to rectum. The CDX2 protein is expressed in primary and metastatic colorectal carcinomas and has also been demonstrated in the intestinal metaplasia of the stomach and intestinal-type gastric cancer, while it is not expressed in the normal gastric mucosa. Studies have shown that CDX2 is superior marker compared to CK20.

APPLICATIONS: Immunohistochemistry (IHC) and Flow Cytometry

IHC PROCEDURE:

Specimen Preparation: Formalin-fixed, paraffin-embedded tissues are suitable for use with this primary antibody.
Deparaffinization: Deparaffinize slides using xylene or xylene alternative and graded alcohols.
Antibody Dilutions: If using the concentrate format of this product, dilute the antibody 1:100 prior to use. The dilutions are estimates; actual results may differ because of variability in methods and protocols.
Antigen Retrieval: Boil tissue section in 10mM Citrate buffer, pH 6.0 for 10-20 min followed by cooling at room temperature for 20 min.
Primary Antibody: Incubate for 30 minutes at room temperature.
Slide Washing: Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween.
Visualization: Detect the antibody as instructed by the instructions provided with the visualization system.

IHC POSITIVE CONTROL: Colon adenocarcinoma

FLOW CYTOMETRY: Recommended starting protocol: Dilute the antibody 1:100. Incubate for 30 minutes at 4˚C.
The dilution is an estimate; actual results may differ because of variability in methods and protocols. Optimal dilution and procedure should be determined by the end user.

FLOW CYTOMETRY POSITIVE CONTROL: HT29 Cell Line

CELLULAR LOCALIZATION: Nucleus

4300 Hacienda Drive ,
Pleasanton, CA 94588
www.springbio.com

Tel: 1-925-474-8440
Toll Free: 1-800-787-6896
Fax: 1-925-474-8469

STORAGE & STABILITY

Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.
There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.
If unexpected results are observed which cannot be explained by variations in laboratory procedures and a problem with the reagent is suspected, contact Technical Support at spring.tech@ventana.roche.com.

WARNINGS & PRECAUTIONS:

1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.
4. Avoid microbial contamination of reagents.

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