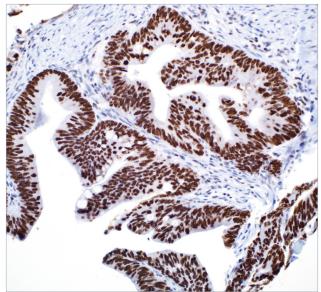
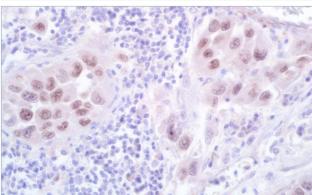
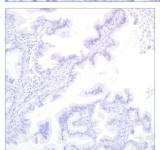
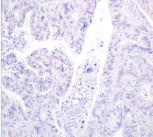
Spotlight on:

SATB2 (EP281)









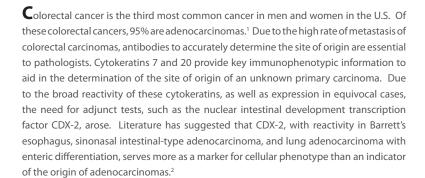
Top: Rabbit monoclonal anti-SATB2 positively stains the nuclei of colorectal adenocarcinoma cells.

Center: Tumor cells of medullary carcinoma of the colon are positive for SATB2.

 ${\it Bottom-Left: Rabbit monoclonal anti-SATB2 stains negatively for invasive mucinous adenocarcinoma of the lung.}$

Bottom-Right: Tumor cells of esophageal adenocarcinoma are negative for SATB2.





Special AT-rich sequence-binding protein 2 (SATB2) is a transcription factor involved in gene regulation. Among epithelial cells, it is only expressed in the glandular epithelium of the lower GI tract.³ SATB2 has been reported to have 93% specificity and 100% sensitivity for colorectal carcinomas when utilized in the immunohistochemical panel with cytokeratin 7 and cytokeratin 20.⁴ The sensitivity and specificity of SATB2 for colorectal cancers make it a valuable antibody for differentiating carcinomas of unknown primaries.⁵

Benefits of SATB2:

- · In vitro diagnostic
- · Nuclear visualization
- Favorable sensitivity and specificity for colorectal carcinomas when compared with CDX-2
- Labels medullary carcinomas of the colon that are cytokeratin 20 and CDX-2 negative⁶
- Reported negative in intestinal-type pancreatic intraductal papillary mucinous neoplasms (IPMNs) that are CDX-2 and cytokeratin 20 positive⁷
- Using RabMAb® technology from Abcam, SATB2 has the sensitivity of a rabbit antibody with the specificity and cleanliness of a monoclonal antibody for a strong signal to noise ratio

References:

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- 5. Ordonez NG. Adv Anat Pathol. 2014; 21:63-7.
- 6. Lin F, et al. Arch Pathol Lab Med. 2014; 138:1015-26.
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