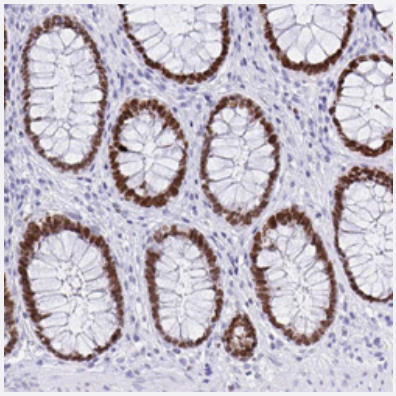
Sm Size

# SATB2 monoclonal antibody, clone CL0276

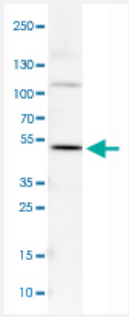
Catalog # MAB15588 Size 25 uL, 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human rectum with SATB2 monoclonal antibody, clone CL0276 (Cat # MAB15588) shows strong nuclear positivity in glandular cells.




### Western Blot (Cell lysate)

Western Blot analysis of HEL cell lysate with SATB2 monoclonal antibody, clone CL0276 (Cat # MAB15588).

## Specification

| | |
|---|---|
| **Product Description** | Mouse monoclonal antibody raised against partial recombinant human SATB2. |
| **Immunogen** | Recombinant protein corresponding to human SATB2. |
| **Epitope** | This antibody binds to an epitope located within the peptide sequence LVNLRAMQNFLNLPE as determined by overlapping synthetic peptides. |
| **Sequence** | VSQAVFARVAFNRTQGLLSEILRKEEDPRTASQSLLVNLRAMQNFLNLPEVERDRIYQDERERSM NPNVSMVSSASSSPSSSRTPQAKTSTPTTDLPIKVDGANINITAAIYDEIQQEMKRAK |

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| | |
|---|---|
| **Host** | Mouse |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Protein A purification |
| **Isotype** | IgG1 |
| **Recommend Usage** | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide). |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human rectum with SATB2 monoclonal antibody, clone CL0276 (Cat # MAB15588) shows strong nuclear positivity in glandular cells.

- Western Blot (Cell lysate)

  Western Blot analysis of HEL cell lysate with SATB2 monoclonal antibody, clone CL0276 (Cat # MAB15588).

## Gene Info — SATB2

| | |
|---|---|
| **Entrez GeneID** | 23314 |
| **Protein Accession#** | Q9UPW6 |
| **Gene Name** | SATB2 |
| **Gene Alias** | FLJ21474, FLJ32076, KIAA1034, MGC119474, MGC119477 |
| **Gene Description** | SATB homeobox 2 |
| **Omim ID** | 119540 608148 |
| **Gene Ontology** | Hyperlink |

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| | |
|---|---|
| **Other Designations** | OTTHUMP00000163655\|SATB family member 2\|two cut domains-containing homeodomain protein |

## Publication Reference

- Evaluating real-time immunohistochemistry on multiple tissue samples, multiple targets and multiple antibody labeling methods.

  Dubois L, Andersson K, Asplund A, Björkelund H.

  BMC Research Notes 2013 Dec; 6:542.

  Application: IHC-P, Human, Mouse, Colon, Heart muscle, Liver, Tonsil

- Scalable in situ hybridization on tissue arrays for validation of novel cancer and tissue-specific biomarkers.

  Kiflemariam S, Andersson S, Asplund A, Pontén F, Sjöblom T.

  PLoS One 2012 Mar; 7(3):e32927.

  Application: IHC-P, Human, Human tissue microarray

- A cohort study of the prognostic and treatment predictive value of SATB2 expression in colorectal cancer.

  Eberhard J, Gaber A, Wangefjord S, Nodin B, Uhlén M, Ericson Lindquist K, Jirström K.

  British Journal of Cancer 2012 Feb; 106(5):931.

  Application: IHC-P, Human, Human colorectal cancer, TMA sections

- Epitope mapping of antibodies using bacterial surface display.

  Rockberg J, Löfblom J, Hjelm B, Uhlén M, Ståhl S.

  Nature Methods 2008 Dec; 5(12):1039.

  Application: Flow Cyt, Bacteria, Staphylococcal cells

## Disease

- Cleft Lip
- Cleft Palate
- Genetic Predisposition to Disease

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