

# Product Datasheet

## **SATB2 Antibody (SATB2/4374R) [Janelia Fluor® 646] NBP3-08808JF646**

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP3-08808JF646**

SATB2 Antibody (SATB2/4374R) [Janelia Fluor® 646]

| Product Information |                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------|
| Unit Size           | 100 ul                                                                                      |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.                                                                    |
| Clonality           | Monoclonal                                                                                  |
| Clone               | SATB2/4374R                                                                                 |
| Preservative        | 0.05% Sodium Azide                                                                          |
| Isotype             | IgG                                                                                         |
| Conjugate           | Janelia Fluor 646                                                                           |
| Purity              | Protein A or G purified                                                                     |
| Buffer              | 50mM Sodium Borate                                                                          |

| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene ID                 | 23314                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Symbol             | SATB2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Marker                  | Colorectal Carcinoma Marker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Specificity/Sensitivity | SATB2 is a DNA binding protein that specifically binds nuclear matrix attachment regions. It is involved in transcription regulation and chromatin remodeling. SATB2 expression in colorectal carcinomas (CRC) is correlated with good prognosis and in laryngeal squamous cell carcinoma it functions as a tumor suppressor wherein loss of expression is positively correlated with high tumor grade and recurrence. Moreover, SATB2, in combination with CK20, could identify almost all CRC s. Upper gastrointestinal (GI) carcinomas and pancreatic ductal carcinomas are usually negative for SATB2, and ovarian carcinomas, lung adenocarcinomas, and adenocarcinomas from other origin are rarely positive for SATB2. Additionally, SATB2 antibody can identify neuroendocrine neoplasms of colon and rectum because SATB2 is usually negative in neuroendocrine neoplasms of the GI tract, pancreas, and lung. More recently, it has been reported that SATB2 is a sensitive marker for tumors with osteoblastic differentiation. |
| Immunogen               | Synthetic peptide corresponding to residues within aa200-300 corresponding to human SATB2 (Uniprot: Q9UPW6)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Notes                   | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| Product Application Details |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| Applications                | Immunohistochemistry-Paraffin                                          |
| Recommended Dilutions       | Immunohistochemistry-Paraffin                                          |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. |





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### Products Related to NBP3-08808JF646

|                    |                                                |
|--------------------|------------------------------------------------|
| NBP2-24891JF646    | Rabbit IgG Isotype Control [Janelia Fluor 646] |
| H00023314-P01-2ug  | Recombinant Human SATB2 GST (N-Term) Protein   |
| 355-BM-010         | BMP-2 [Unconjugated]                           |
| H00023314-Q01-10ug | Recombinant Human SATB2 GST (N-Term) Protein   |

### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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