

Datasheet for ABIN7662064

## Recombinant anti-YBX1 antibody (CF®405S)



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### Overview

|                |                                                                                                         |
|----------------|---------------------------------------------------------------------------------------------------------|
| Quantity:      | 100 µL                                                                                                  |
| Target:        | YBX1                                                                                                    |
| Reactivity:    | Human                                                                                                   |
| Host:          | Mouse                                                                                                   |
| Antibody Type: | Recombinant Antibody                                                                                    |
| Clonality:     | Monoclonal                                                                                              |
| Conjugate:     | This YBX1 antibody is conjugated to CF®405S                                                             |
| Application:   | Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | YBX1 / Y-box Binding Protein 1 / YB-1 (Tumor Biomarker)(rYBX1/2430), CF405S conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen:       | Recombinant human full-length YBX1 protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Clone:           | RYBX1-2430                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Isotype:         | IgG1, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Characteristics: | The specificity of this monoclonal antibody to its intended target was validated by HuProt™, Array, containing more than 19,000 full-length human proteins. Y-box binding protein-1 (YBX1) is the prototypic member of the cold shock protein family that fulfills numerous cellular functions. In the nucleus, YBX1 protein orchestrates transcription of proliferation-related genes, whereas in the cytoplasm it associates with mRNA and directs translation. In human tumor entities, such as breast, lung and prostate cancer, cellular YBX1 expression indicates poor |

## Product Details

clinical outcome, suggesting that YBX1 is an attractive marker to predict patients' prognosis. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

|                   |                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------|
| Target:           | YBX1                                                                                      |
| Alternative Name: | Y-box Binding Protein 1                                                                   |
| Background:       | Synonyms: BP-8, CSDA2, CSDB, DBPB, MDR-NF1, NSEP-1, NSEP1, YB-1, YB1<br>Gene Symbol: YBX1 |
| Molecular Weight: | 36 kDa                                                                                    |
| Gene ID:          | 4904                                                                                      |
| UniProt:          | <a href="#">P67809</a>                                                                    |
| Pathways:         | <a href="#">Regulation of Muscle Cell Differentiation</a>                                 |

## Application Details

|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator.                 |
| Comment:           | Positive Control: MCF-7, HEK293 or PC12 cells. Prostate, Breast or Lung Carcinoma. |
| Restrictions:      | For Research Use only                                                              |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 0.1 mg/mL                                                                                                              |
| Buffer:            | PBS, 0.1 % BSA, 0.05 % azide                                                                                           |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | Protect from light                                                                                                     |

Handling

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|                  |                                                                                                                                      |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Storage:         | 4 °C                                                                                                                                 |
| Storage Comment: | Stable at room temperature or 37°C for 7 days.<br>Protect from light<br>Store at 2 to 8°C. Protect fluorescent conjugates from light |
| Expiry Date:     | 24 months                                                                                                                            |