

# YBX1 Conjugated Antibody

Catalog No: #C37062

Package Size: #C37062-AF350 100ul #C37062-AF405 100ul #C37062-AF488 100ul #C37062-AF555 100ul #C37062-AF594 100ul #C37062-AF647 100ul #C37062-AF680 100ul #C37062-AF750 100ul #C37062-Biotin 100ul #C37062-Conjugated 50ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

|                       |  |
|-----------------------|--|
| Product Name          | YBX1 Conjugated Antibody   |
| Host Species          | Rabbit   |
| Clonality             | Polyclonal   |
| Applications          | IF   |
| Species Reactivity    | Hu Ms Rt   |
| Specificity           | The antibody detects endogenous levels of total YBX1 protein.                                    |
| Immunogen Description | Synthetic peptide corresponding to residues near the C terminal of human Y box binding protein 1 |
| Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750   |
| Other Names           | YB1; BP-8; CSDB; DBPB; YB-1; CSDA2; NSEP1; NSEP-1; MDR-NF1                                       |
| Accession No.         | Swiss-Prot#:P67809NCBI Gene ID:4904NCBI Protein#:NP_004550                                       |
| Formulation           | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide      |
| Storage               | Store at 4°C in dark for 6 months  |

## Application Details

IF:1:50-1:200

## Background

This protein mediates pre-mRNA alternative splicing regulation. It binds to splice sites in pre-mRNA and regulates splice site selection and contributes to the regulation of translation by modulating the interaction between the mRNA and eukaryotic initiation factors. It can regulate the transcription of numerous genes. Its transcriptional activity on the multidrug resistance gene MDR1 is enhanced in presence of the APEX1 acetylated form at 'Lys-6' and 'Lys-7'. Binds to promoters that contain a Y-box (5'-CTGATTGGCCAA-3'), such as MDR1 and HLA class II genes. Promotes separation of DNA strands that contain mismatches or are modified by cisplatin. Has endonucleolytic activity and can introduce nicks or breaks into double-stranded DNA (in vitro).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.