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

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Description

Product Name	YBX1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
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
Uniprot	P67809
GeneID	4904;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
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

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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 regulates 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