

YB1 (Phospho-Ser102) Conjugated Antibody

Catalog No: #C11819

Package Size: #C11819-AF350 100ul #C11819-AF405 100ul #C11819-AF488 100ul

#C11819-AF555 100ul #C11819-AF594 100ul #C11819-AF647 100ul

#C11819-AF680 100ul #C11819-AF750 100ul #C11819-Biotin 100ul

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Description

Product Name	YB1 (Phospho-Ser102) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of YB1 only when phosphorylated at serine 102.
Immunogen Description	Peptide sequence around phosphorylation site of Serine 102(L-R-S(p)-V-G) derived from Human YB1.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CBF-A;NSEP1;EFI-A;MSY-1;YBX1
Accession No.	Swiss-Prot#:P67809NCBI Gene ID:4904NCBI mRNA#:NM_004559.3. NCBI Protein#:NP_004550.2.
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
Calculated MW	36
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

Product Description

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

Background

YB-1 is a nuclear protein that binds to splice sites in pre-mRNA and regulates splice site selection. Binds and stabilizes cytoplasmic mRNA. Contributes to the regulation of translation by modulating the interaction between the mRNA and eukaryotic initiation factors CCAAT-containing Y-box of HLA class II genes. Component of cytoplasmic messenger ribonucleoprotein particles (mRNPs). Interacts with AKT1, SFRS9, THOC4, MSH2, XRCC5, WRN and NCL. Can bind to DNA as a homomeric form, (EFI-A)_n or as a heteromeric form in association with EFI-B. Homodimer in the presence of ATP.

Note: This product is for in vitro research use only