YB1 (Phospho-Ser102) Antibody

Catalog No: #11819

Package Size: #11819-1 50ul #11819-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

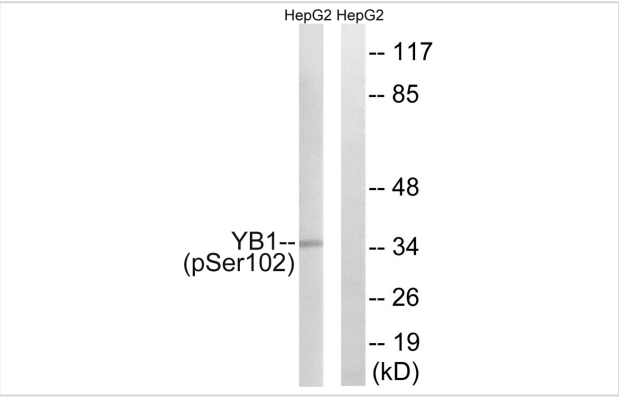
Description

Product Name	YB1 (Phospho-Ser102) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	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 chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of YB1 only when phosphorylated at serine 102.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 102(L-R-S(p)-V-G) derived from Human YB1.
Target Name	YB1
Modification	Phospho
Other Names	CBF-A; NSEP1; EFI-A; MSY-1; YBX1
Accession No.	Swiss-Prot#: P67809; NCBI Gene#: 4904; NCBI Protein#: NP_004550.2.
Uniprot	P67809
GeneID	4904;
SDS-PAGE MW	36kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HepG2 cells treated with PMA using YB1 (Phospho-Ser102) Antibody #11819.The lane on the right is treated with the antigen-specific peptide.

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.

Sakura H., Gene 73:499-507(1988).

Didier D.K. Proc. Natl. Acad. Sci. U.S.A. 85:7322-7326(1988).

Kolluri R., Nucleic Acids Res. 19:4771-4771(1991).

Note: This product is for in vitro research use only