BT LAB
Bioassay Technology Laboratory
Optimize Your Research

YB-1(Phospho Ser102) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP15586
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human YB1 around the phosphorylation site of Ser102. AA range:68-117
Mol wt	35924
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Nuclease-sensitive element-binding protein 1
Synonyms	Nuclease-sensitive element-binding protein 1; YBX1; NSEP1; YB1; Nuclease-sensitive element-binding protein 1; CCAAT-binding transcription factor I subunit A; CBF-A; DNA-binding protein B; DBPB; Enhancer factor I subunit A; EFI-A; Y-box transcription factor; Y-box-binding protein 1; YB-

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a highly conserved cold shock domain protein that has broad nucleic acid binding properties. The encoded protein functions as both a DNA and RNA binding protein and has been implicated in numerous cellular processes including regulation of transcription and translation, pre-mRNA splicing, DNA reparation and mRNA packaging. This protein is also a component of messenger ribonucleoprotein (mRNP) complexes and may have a role in microRNA processing. This protein can be secreted through non-classical pathways and functions as an extracellular mitogen. Aberrant expression of the gene is associated with cancer proliferation in numerous tissues. This gene may be a prognostic marker for poor outcome and drug resistance in certain cancers. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on multiple chromosomes.

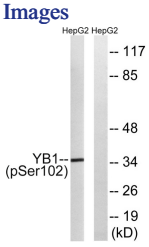
Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 40000

Not yet tested in other applications.

Images



Western blot analysis of lysates from HepG2 cells treated with PMA 125ng/ml 15', using YB1 (Phospho-Ser102) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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