

Datasheet for ABIN358817
anti-YBX1 antibody (N-Term)



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1 Image

Overview

Quantity:	0.4 mL
Target:	YBX1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YBX1 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human YBX1.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to YB1 (YBX1).
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS

Target Details

Target:	YBX1
Alternative Name:	YBX1 (YBX1 Products)
Background:	YBX1 binds to splice sites in pre-mRNA and regulates splice site selection. This protein binds

Target Details

and stabilizes cytoplasmic mRNA and contributes to the regulation of translation by modulating the interaction between the mRNA and eukaryotic initiation factors. It binds to promoters that contain a Y-box (5'-CTGATTGGCCAA-3'), such as HLA class II genes. It regulates the transcription of numerous genes and promotes separation of DNA strands that contain mismatches or are modified by cisplatin. It has endonucleolytic activity and can introduce nicks or breaks into double-stranded DNA (in vitro), and it may play a role in DNA repair. Synonyms: CBF-A, CCAAT-binding transcription factor I subunit A, DNA-binding protein B, EFl-A, Enhancer factor I subunit A, NSEP1, Nuclease-sensitive element-binding protein 1, Y-box transcription factor, Y-box-binding protein 1, YB-1, YB1

Gene ID: 4904, 9606

UniProt: [P67809](#)

Pathways: [Regulation of Muscle Cell Differentiation](#)

Application Details

Application Notes: ELISA: 1/1,000. Western blotting: 1/50 - 1/100.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) sodium azide

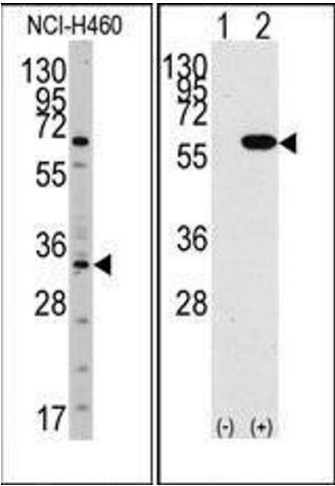
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. (LEFT)Western blot analysis of anti-YBX1 Antibody (N-term) in NCI-H460 cell line lysates (35ug/lane).YBX1(arrow) was detected using the purified Pab (1:60dilution). (RIGHT)Western blot analysis of YBX1 (arrow) using rabbit polyclonal YBX1 Antibody