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Datasheet for ABIN390262 anti-YBX1 antibody (N-Term)

2 Images



Overview

Quantity:	400 µL
Target:	YBX1
Binding Specificity:	AA 58-87, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YBX1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This YB1 (YBX1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 58-87 amino acids from the N-terminal region of human YB1 (YBX1).
Clone:	RB14116
Isotype:	Ig Fraction
Predicted Reactivity:	B, C, Zf, M, Rb, Rat, X
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:

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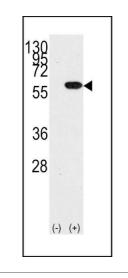
Alternative Name:	YB1 (YBX1) (YBX1 Products)
Background:	YBX1 binds to splice sites in pre-mRNA and regulates splice site selection. This protein binds and stabilizes cytoplasmic mRNA and contributes to the regulation of translation by modulating the interaction between the mRNA and eukaryotic initiation 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.
Molecular Weight:	35924
Gene ID:	4904
NCBI Accession:	NP_004550
UniProt:	P67809
Pathways:	Regulation of Muscle Cell Differentiation
Application Details	
Application Notes:	WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in 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.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in smal

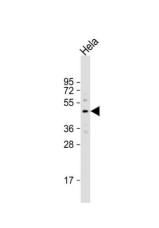
Expiry Date:

6 months

aliquots to prevent freeze-thaw cycles.

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Western Blotting

Image 1. Western blot analysis of YBX1 (arrow) using rabbit polyclonal YBX1 Antibody (N-term) (R).293 cell lysates (2 μ g/lane) either nontransfected (Lane 1) or transiently transfected with the YBX1 gene (Lane 2) (Origene Technologies).

Western Blotting

Image 2. Anti-YBX1 Antibody (N-term) at 1:1000 dilution + Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

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