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Datasheet for ABIN1882002 anti-YBX1 antibody (AA 149-178)

2 Images

5 Publications



Overview

Quantity:	400 µL
Target:	YBX1
Binding Specificity:	AA 149-178
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YBX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This YBX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 149-178 amino acids from the Central region of human YBX1.
Clone:	RB41913
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rb, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	YBX1
Alternative Name:	YBX1 (YBX1 Products)

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Target Details

Background:	Mediates pre-mRNA alternative splicing regulation. 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 (By similarity). Binds to promoters that contain a Y-box (5'-CTGATTGGCCAA-
	3'), such as HLA class II genes. Regulates the transcription of numerous genes. Promotes
	separation of DNA strands that contain mismatches or are modified by cisplatin. Has
	endonucleolytic activity and can introduce nicks or breaks into double-stranded DNA (in vitro).
	May play a role in DNA repair. Component of the CRD-mediated complex that promotes MYC
	mRNA stability.

Molecular Weight:	35924
NCBI Accession:	NP_004550
UniProt:	P67809
Pathways:	Regulation of Muscle Cell Differentiation

Application Details

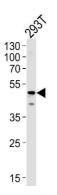
Application Notes:	IF: 1:10~50. WB: 1:1000	
Restrictions:	For Research Use only	

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
Expiry Date:	6 months
Publications	
Product cited in:	Hirakawa, Nakayama, Shibata, Sekine: "Association of cellular localization of glycogen synthase
	kinase 3beta in the digestive tract with cancer development." in: Oncology reports, Vol. 22,
	Issue 3, pp. 481-5, (2009) (PubMed).

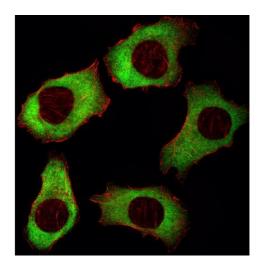
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN1882002 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Images



Western Blotting

Image 1. YBX1 Antibody (Center) (ABIN1882002 and ABIN2838896) western blot analysis in 293T cell line lysates (35 µg/lane). This demonstrates the YBX1 antibody detected the YBX1 protein (arrow).



Immunofluorescence

Image 2. Fluorescent image of A549 cell stained with YBX1 Antibody (Center) (ABIN1882002 and ABIN2838896)/SA120807BH. A549 cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with YBX1 primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used 50 min at 37 °C).Cytoplasmic (1:400, actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). YBX1 immunoreactivity is localized to Cytoplasm significantly.