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Datasheet for ABIN7271411 anti-YBX1 antibody (AA 100-200)

5 Images



Overview

Quantity:	100 µL
Target:	YBX1
Binding Specificity:	AA 100-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YBX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	YB-1/YBX1 Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 100-200 of human YB-1/YB-1/YBX1 (NP_004550.2).
Sequence:	LRSVGDGETV EFDVVEGEKG AEAANVTGPG GVPVQGSKYA ADRNHYRRYP RRRGPPRNYQ QNYQNSESGE KNEGSESAPE GQAQQRRPYR RRRFPPYYMR R
Isotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

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Target:	YBX1
Alternative Name:	YBX1 (YBX1 Products)
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 an
	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 transcri
	variants. Pseudogenes of this gene are found on multiple chromosomes.,YBX1,BP-8,CBF-

A,CSDA2,CSDB,DBPB,EFI-A,MDR-NF1,NSEP-1,NSEP1,YB-1,YB1,Epigenetics & Nuclear Signaling,Transcription Factors,RNA Binding,Cell Biology & Developmental Biology,Stem Cells,Embryonic Stem Cells,YBX1

Molecular Weight:	35kDa
Gene ID:	4904
UniProt:	P67809
Pathways:	Regulation of Muscle Cell Differentiation

Application Details

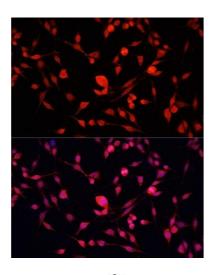
Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

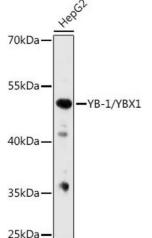
Handling

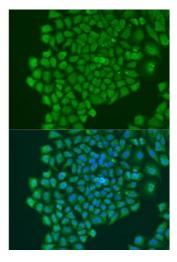
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

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Images







Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using YB-1/YB-1/YBX1 antibody (ABIN7271411) at dilution of 1:100. Blue: DAPI for nuclear staining.

Western Blotting

Image 2. Western blot analysis of extracts from normal (control) and YB-1/YB-1/YBX1 knockout (KO) HeLa cells, using YB-1/YB-1/YBX1 antibody (ABIN7271411) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 5s.

Western Blotting

Image 3. Western blot analysis of extracts of HepG2 cells, using YB-1/YB-1/YBX1 antibody (ABIN7271411) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.

Please check the product details page for more images. Overall 5 images are available for ABIN7271411.

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