

Rabbit YBX1 Polyclonal Antibody | anti-YBX1 antibody

YBX1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287413	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rabbit, Rat)	Western Blot, ELISA, Immunofluorescence

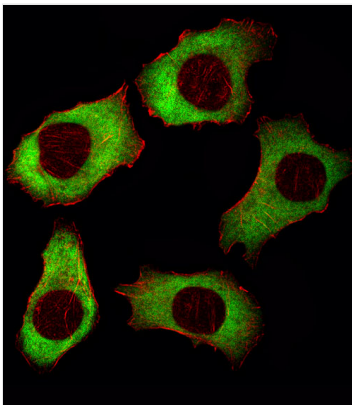
PRODUCT SYNONYMS

YBX1; Polyclonal Antibody; YBX1 Antibody (Center); 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-1; NSEP1; YB1; anti-YBX1 antibody

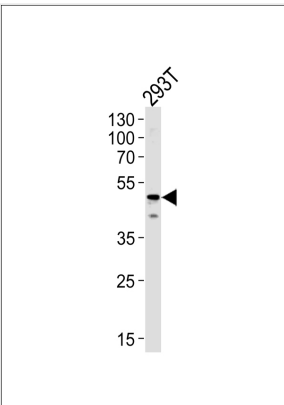
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rabbit, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.31 (varies by lot)
Sequence Positions	149-178
Sequence Length	324
Applicable Applications for anti-YBX1 antibody	WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Fluorescent image of A549 cell stained with YBX1 Antibody (Center). 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 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree).Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). YBX1 immunoreactivity is localized to Cytoplasm significantly.



WB (Western Blot)
YBX1 Antibody (Center) western blot analysis in 293T cell line lysates (35ug/lane).This demonstrates the YBX1 antibody detected the YBX1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-YBX1 antibody	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.
Product Categories/Family for anti-YBX1 antibody	Crown Antibodies; Developmental Biology; Signal Transduction
References	Yu, Y.N., et al. Int. J. Oncol. 37(2):483-492(2010) Lovett, D.H., et al. Biochem. Biophys. Res. Commun. 398(3):482-488(2010) Takahashi, M., et al. Cancer Sci. 101(6):1367-1373(2010) Cobbold, L.C., et al. Oncogene 29(19):2884-2891(2010) To, K., et al. Cancer Res. 70(7):2840-2851(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	34098946
NCBI GeneID	4904
NCBI Accession #	NP_004550.2
NCBI GenBank Nucleotide #	NM_004559.3
UniProt Accession #	P67809; P16990; P16991; Q14972; Q15325; Q5FVF0
Molecular Weight	35924
NCBI Official Full Name	nuclease-sensitive element-binding protein 1
NCBI Official Synonym Full Names	Y box binding protein 1
NCBI Official Symbol	YBX1
NCBI Official Synonym Symbols	YB1; BP-8; CSDB; DBPB; YB-1; CSDA2; NSEP1; NSEP-1; MDR-NF1

NCBI Protein Information	nuclease-sensitive element-binding protein 1
UniProt Protein Name	Nuclease-sensitive element-binding protein 1
UniProt Gene Name	YBX1
UniProt Synonym Gene Names	NSEP1; YB1; CBF-A; DBPB; EFI-A; YB-1
UniProt Entry Name	YBOX1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/ybx1-antibody-western-blot-immunofluorescence-elisa/287413>