

Rabbit YBX1 Polyclonal Antibody | anti-YBX1 antibody

YBX1 Antibody (C-term)

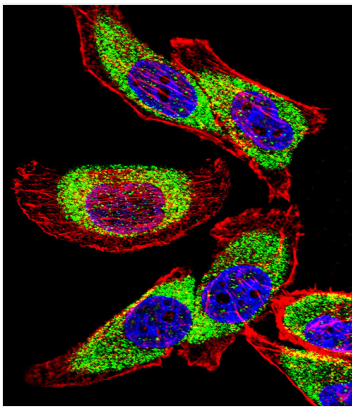
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284424	Rabbit	Human (Predicted Reactivity: Xenopus, Bovine, Mouse, Rat)	Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

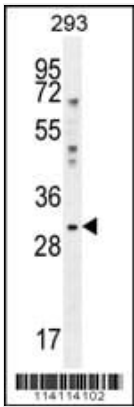
YBX1; Polyclonal Antibody; YBX1 Antibody (C-term); Nuclease-sensitive element-binding protein 1; CCAAT-binding transcription factor I subunit A; CBF-A; DNA-binding protein B; DBPB; Enhancer factor I subunit A; EFI-A; Y-box transcription factor; Y-box-binding protein 1; YB-1; NSEP1; YB1; anti-YBX1 antibody

PRODUCT SPECIFICATIONS

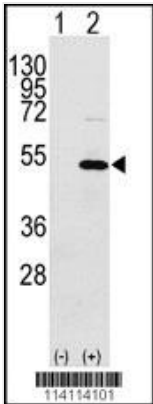
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Xenopus, Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This YBX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 276-305 amino acids from the C-terminal region of human YBX1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	276-305
Sequence Length	324
Applicable Applications for anti-YBX1 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
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.



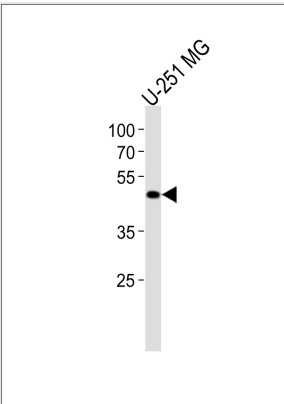
IF (Immunofluorescence)
Fluorescent confocal image of U251 cell stained with YBX1 Antibody (C-term). U251 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with YBX1 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 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). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). YBX1 immunoreactivity is localized to Cytoplasm significantly.



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



WB (Western Blot)
Western blot analysis of YBX1(arrow) using rabbit polyclonal YBX1 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the YBX1 gene (Lane 2) (Origene Technologies).



WB (Western Blot)
Western blot analysis of lysate from U-251 MG cell line, using YBX1 Antibody (C-term). AAA284424 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

ADDITIONAL INFORMATION

Related Product Information for anti-YBX1 antibody	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'-CTGATTGCCAA-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.
Product Categories/Family for anti-YBX1 antibody	Developmental Biology; Signal Transduction
References	Fujii,T., Cancer Res. 68 (5), 1504-1512 (2008) Fraser,D.J., Kidney Int. 73 (6), 724-732 (2008) Shiota,M., Cancer Res. 68 (1), 98-105 (2008)

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ybx1-antibody-immunofluorescence-western-blot-elisa/284424>