

Rabbit YBX1 Polyclonal Antibody | anti-YBX1 antibody

YBX1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197800	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep	Western Blot, Immunohistochemistry

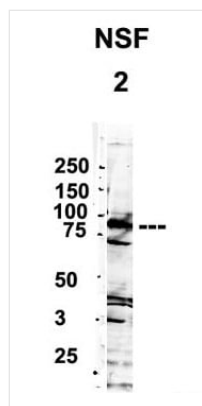
PRODUCT SYNONYMS

YBX1; Polyclonal Antibody; YBX1 antibody - middle region; anti-YBX1 antibody

PRODUCT SPECIFICATIONS

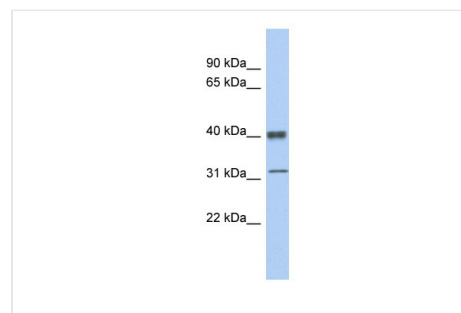
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: NH YRRYPRRRGP PRNYQQNYQN SESGEKNEGS ESAPEGQAQQ RRPYRRRR
Sequence Length	324
Applicable Applications for anti-YBX1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human YBX1
Conjugation	Unconjugated
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



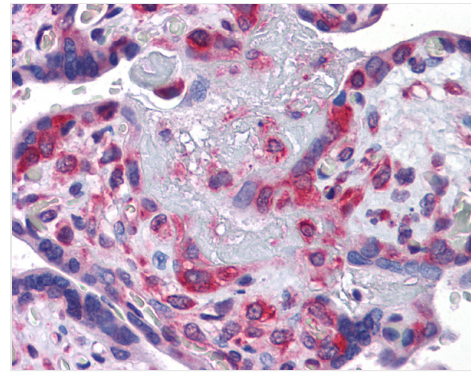
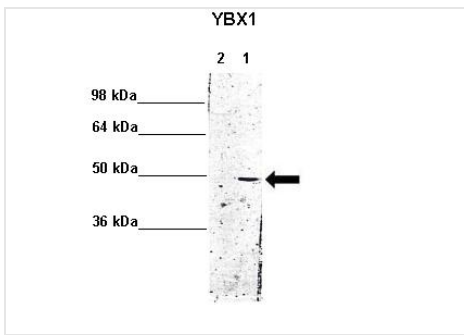
WB (Western Blot)

YBX1 antibody - middle region validated by WB using 1. Human NT-2 cells (60ug) at 2ug/ml.



WB (Western Blot)

WB Suggested Anti-YBX1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: Human Spleen



WB (Western Blot)

WB Suggested Anti-YBX1 Antibody Positive Control: Lane 1: 5ug mouse brain cytoplasm Lane 2: 5ug mouse brain nucleus Primary Antibody Dilution : 1:1000 Secondary Antibody : Anti rabbit - IR-dye Secondary Antibody Dilution : 1:10,000 Submitted by: Anonymous

IHC (Immunohistochemistry)
Placenta

ADDITIONAL INFORMATION

Related Product Information for anti-YBX1 antibody	This is a rabbit polyclonal antibody against YBX1. It was validated on Western Blot using a cell lysate as a positive control.
	Target Description: YBX1 binds to splice sites in pre-mRNA and regulates splice site selection. YBX1 binds and stabilizes cytoplasmic mRNA. YBX1 contributes to the regulation of translation by modulating the interaction between the mRNA and eukaryotic initiation factors. YBX1 binds to promoters that contain a Y-box (5'-CTGATTGGCCAA-3'), such as HLA class II genes. YBX1 regulates the transcription of numerous genes. YBX1 promotes separation of DNA strands that contain mismatches or are modified by cisplatin. YBX1 has endonucleolytic activity and can introduce nicks or breaks into double-stranded DNA (in vitro). YBX1 may play a role in DNA repair. YBX1 is the component of the CRD-mediated complex that promotes MYC mRNA stability.
Product Categories/Family for anti-YBX1 antibody	Polyclonal; Transcription Factor; Signal Proteins; Transcription Regulation; Chromatin & Nuclear Signaling; Disease Related; DNA/RNA/Protein Interactions; Immunohistochemistry; Transcription Factors; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	34098946
NCBI GeneID	4904
NCBI Accession #	NP_004550
NCBI GenBank Nucleotide #	NM_004559
UniProt Accession #	P67809
Molecular Weight	36kDa
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; CBF-A; CSDA2; EFI-A; 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-western-blot-immunohistochemistry-elisa/197800>