

Rabbit anti-Human, Mouse YB1 Polyclonal Antibody | anti-YB1 antibody

Rabbit anti-YB1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212143	Rabbit	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

YB1; Polyclonal Antibody; Rabbit anti-YB1 Antibody; Affinity Purified; NSEP-1; Y-box-binding protein 1; Y-box transcription factor; YB-1; nuclease-sensitive element-binding protein 1; NSEP1; MDR-NF1; major histocompatibility complex; class II; Y box-binding protein I; EFL-A; DNA-binding protein B; DBPB; BP-8; CSDB; CSDA2; CCAAT-binding transcription factor I subunit A; CBF-A; enhancer factor I subunit A; Nuclease-sensitive element-binding protein 1; Y-box binding protein 1; anti-YB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-YB1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat, X. laevis, Chicken, Bovine, Rabbit
Immunogen	Between 225 and 275
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human and mouse YB1 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, A-549, MCF-7, HEK293T, U2OS, TCMK-1, and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-YB1 antibody AAA212143 (lot AAA212143-2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human YB1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-YB1 antibody AAA212143 (lot AAA212143-2) used for IP at 6 ug per reaction. YB1 was also immunoprecipitated by a previous lot of this antibody (lot AAA212143-1) and rabbit anti-YB1 antibody For blotting immunoprecipitated YB1, AAA212143 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

**IHC (Immunohistochemistry)**

Detection of mouse YB1 by immunohistochemistry. Sample: FFPE section of mouse renal cell carcinoma. Antibody: Affinity purified rabbit anti-YB1 (Cat. No. AAA212143 lot 2) used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB

**IHC (Immunohistochemistry)**

Detection of human YB1 by immunohistochemistry. Samples: FFPE sections of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-YB1 (Cat. No. AAA212143 lot 2) used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-YB1 antibody	Y-box-binding protein 1 (YB1) Regulates the transcription of numerous genes. It has been shown to promote separation of DNA strands that contain mismatches or are modified by cisplatin, and shown to have endonucleolytic activity that can introduce nicks or breaks into double-stranded DNA (in vitro). YB1 may play a role in DNA repair. It is a component of the CRD-mediated complex that promotes MYC mRNA stability [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/P67809].
Product Categories/Family for anti-YB1 antibody	Primary Antibodies

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	35,924 Da
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; CBF-A; EFI-A; DNA-binding protein B; Y-box-binding protein 1; Y-box transcription factor; enhancer factor I subunit A; nuclease sensitive element binding protein 1; CCAAT-binding transcription factor I subunit
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/yb1-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/212143>