

YB1 Polyclonal Antibody | anti-YB1 antibody

Anti-YB1 Antibody

CATALOG # AAA46516	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	--	---

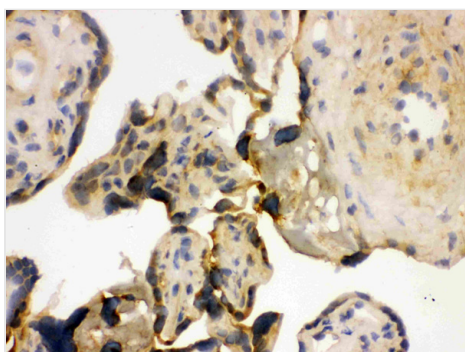
PRODUCT SYNONYMS

YB1; Polyclonal Antibody; Anti-YB1 Antibody; Nuclease-sensitive element-binding protein 1; BP 8; CBF-A; CCAAT binding transcription factor I subunit A; CCAAT-binding transcription factor I subunit A; CSDA2; CSDB; DBPB; DNA binding protein B; DNA-binding protein B; EFI-A; Enhancer factor I subunit A; MDR NF1; MGC104858; MGC110976; MGC117250; NSEP 1; NSEP1; Nuclease sensitive element binding protein 1; p50; Q15905; Y-box binding protein 1; Y-box transcription factor; Y-box-binding protein 1; YB 1; YB-1; YBOX1_HUMAN; YBX 1; YBX1; Y box binding protein 1; anti-YB1 antibody

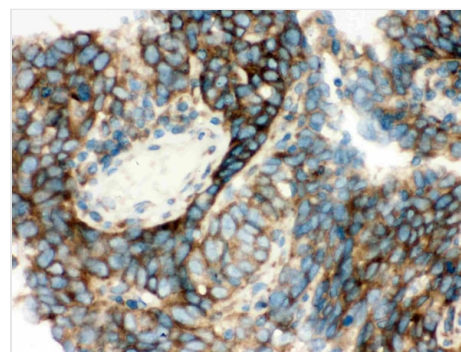
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	324
Applicable Applications for anti-YB1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human YB1 (293-320aa ENPKPQDGKETKAADPPAENSSAPEAEQ), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

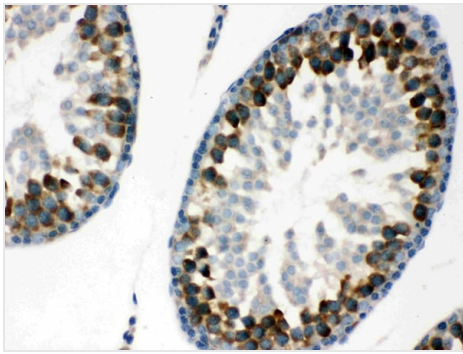
IMAGES



IHC (Immunohistochemistry)
Anti- YB1 Picoband antibody, AAA46516,IHC(F)IHC(P): Human Placenta Tissue

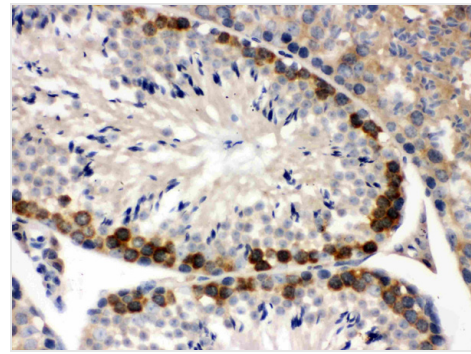


IHC (Immunohistochemistry)
Anti- YB1 Picoband antibody, AAA46516,IHC(P)IHC(F): Human Lung Cancer Tissue



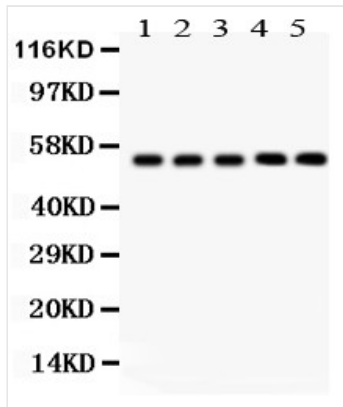
IHC (Immunohistochemistry)

Anti- YB1 Picoband antibody, AAA46516,IHC(P)IHC(P): Rat Testis Tissue



IHC (Immunohistochemistry)

Anti- YB1 Picoband antibody, AAA46516,IHC(P)IHC(P): Mouse Testis Tissue



WB (Western Blot)

Anti- YB1 Picoband antibody, AAA46516, Western blottingAll lanes: Anti YB1 (AAA46516) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Mouse Liver Tissue Lysate at 50ugLane 3: SMMC Whole Cell Lysate at 40ugLane 4: RH35 Whole Cell Lysate at 40ugLane 5: HEPG2 Whole Cell Lysate at 40ugPredicted bind size: 36KDObserved bind size: 50KD

ADDITIONAL INFORMATION

Related Product Information for anti-YB1 antibody

Description: Rabbit IgG polyclonal antibody for Nuclease-sensitive element-binding protein 1(YBX1) detection. Tested with WB, IHC-P, IHC-F in Human;Mouse;Rat.

Background: YBX1(Y box binding protein 1), commonly referred to as "YB-1" by researchers, is a human protein. YB1 binding has an absolute requirement for the CCAAT box and relative specificity for the Y box. It has a molecular mass of 35,414 and contains 18% basic residues and putative nuclear localization signals. The YBX1 gene is mapped on 1p34.2. Ybx1 was highly expressed in mouse erythroid myeloid lymphoid clone-1 (EML), a hematopoietic precursor cell line, but that it was downregulated in myeloid progenitors and in Gmcsf-treated EML cells during myeloid differentiation. Ybx1 was expressed at high levels in myeloid leukemic cells at different developmental stages. Knockdown of YBX1 in a human leukemic cell line inhibited proliferation ability, induced apoptosis, and induced megakaryocytic differentiation in response to arsenic trioxide treatment. YBX1 is downregulated during myeloid differentiation and aberrant YBX1 expression in leukemic cells may contribute to leukemia development by blocking differentiation.

References

1. Bhullar, J., Sollars, V. E. YBX1 expression and function in early hematopoiesis and leukemic cells. Immunogenetics 63: 337-350, 2011. 2. Fukada, T., Tonks, N. K. Identification of YB-1 as a regulator of PTP1B expression: implications for regulation of insulin and cytokine signaling. EMBO J. 22: 479-493, 2003. 3. Makino, Y., Ohga, T., Toh, S., Koike, K., Okumura, K., Wada, M., Kuwano, M., Kohno, K. Structural and functional analysis of the human Y-box binding protein (YB-1) gene promoter. Nucleic Acid Res. 24: 1873-1878, 1996.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34098946
NCBI GeneID	4904
NCBI Accession #	NP_004550.2

NCBI GenBank Nucleotide #	NM_004559.4
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; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/yb1-antibody-immunohistochemistry-western-blot-elisa/46516>