Mouse anti-Human YBX1/YB1 Monoclonal Antibody | anti-YBX1/YB1 antibody

Anti-YBX1/YB1 Antibody (clone 4F12)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162295	**Mouse**	**Human**	**Western Blot, Immunohistochemistry, Immunofluorescence, ELISA**

PRODUCT SYNONYMS

YBX1/YB1; Monoclonal Antibody; Anti-YBX1/YB1 Antibody (clone 4F12); Rabbit Polyclonal to Human YBX1/YB1; YBX1; CBF-A; DBPB; CSDB; DNA-binding protein B; MDR-NF1; NSEP-1; NSEP1; Y box binding protein 1; Y-box transcription factor; Y-box-binding protein 1; YB-1; BP-8; CSDA2; EFI-A; Enhancer factor I subunit A; YB1; anti-YBX1/YB1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	4F12
Specificity	Human YBX1/YB1
Purity/Purification	Purified from ascites by Protein A
Form/Format	PBS, pH 7.4.
Sequence Length	324
Applicable Applications for anti-YBX1/YB1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA
Immunogen	YBX1 (NP_004550, aa51-139 partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C or lower. Aliquot to avoid repeated freezing and thawing.

IMAGES

ELISA
Detection limit for recombinant GST tagged YBX1 is approximately 0.3 ng/ml as a capture antibody.

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to YBX1 on HeLa cell. [antibody concentration 20 ug/ml]

IHC (Immunohistochemistry)
Human Testis: Formalin-Fixed, Paraffin-Embedded (FFPE

ADDITIONAL INFORMATION

Related Product Information for anti-YBX1/YB1 antibody	Mediates pre-mRNA alternative splicing regulation. Binds to splicesites in pre-mRNA and regulates splice site selection. Binds and stabilizes cytoplasmic mRNA. Contributes to the regulation oftranslation by modulating the interaction between the mRNA and eukaryotic initiation factors By similarity. Regulates the transcriptionof numerous genes. Its transcriptional activity on the multidrugresistance gene MDR1 is enhanced in presence of the APEX1 acetylatedform at 'Lys-6' and 'Lys-7'.

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

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/monoclonal/ybx1-yb1-antibody-clone-4f12-western-blot-immunohistochemistry-immunofluorescence-elisa/162295