

Mouse anti-Human YBX1/Y-box Binding Protein 1/YB-1 Antibody | anti-YBX1 antibody

YBX1/Y-box Binding Protein 1/YB-1 (Tumor Biomarker)

CATALOG # AAA215115	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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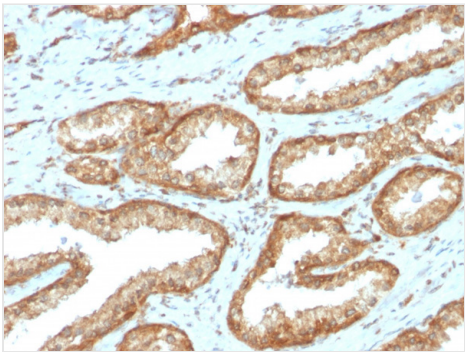
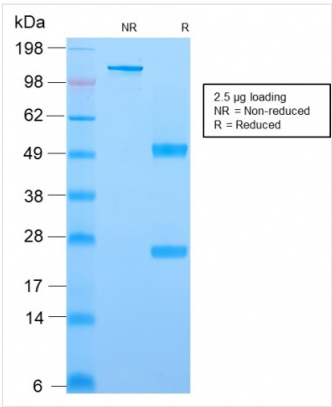
PRODUCT SYNONYMS

YBX1/Y-box Binding Protein 1/YB-1; YBX1/Y-box Binding Protein 1/YB-1 (Tumor Biomarker); BP-8; CSDA2; CSDB; DBPB; MDR-NF1; NSEP-1; NSEP1; YB-1; YB1; anti-YBX1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	IgG1, kappa
Clone Number	rYBX1/2430
Specificity	The specificity of this monoclonal antibody to its intended target was validated by HuProt™ Array, containing more than 19,000, full-length human proteins. Y-box binding protein-1 (YBX1) is the prototypic member of the cold shock protein family that fulfills numerous cellular functions. In the nucleus, YBX1 protein orchestrates transcription of proliferation-related genes, whereas in the cytoplasm it associates with mRNA and directs translation. In human tumor entities, such as breast, lung and prostate cancer, cellular YBX1 expression indicates poor clinical outcome, suggesting that YBX1 is an attractive marker to predict patients' prognosis.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	324
Applicable Applications for anti-YBX1 antibody	IHC (Immunohistochemistry)
Positive Control	MCF-7, HEK293 or PC12 cells. Prostate, Breast or Lung Carcinoma.
Immunogen	Recombinant human full-length YBX1 protein
Cellular Localization	Cytoplasmic and Nuclear
Hu-chromosome Location	1p34.2
Antibody Type	Recombinant Mouse Monoclonal Antibody
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with YBX1 Mouse Recombinant Monoclonal Antibody (rYBX1/2430).

SDS-PAGE
SDS-PAGE Analysis Purified YBX1 Mouse Recombinant Monoclonal Antibody (rYBX1/2430).
Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	1. Gimenez-Bonafe P, et al. Prostate. 2004, 59 (3): 337-349. 2. Janz M., et al. Int J Cancer. 2002, 97 (3): 278-282.
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NCBI AND UNIPROT INFORMATION

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