

**Product Name: YB1 Rabbit Monoclonal Antibody****Catalog #: AMRe02783**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,IP
<b>Reactivity</b>	Human,Mouse,Hamster
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.45mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 36 kDa; Observed MW: 49 kDa

**Antigen Information**

<b>Gene Name</b>	YBX1 YBX1; NSEP1; YB1; Nuclease-sensitive element-binding protein 1; CCAAT-binding
<b>Alternative Names</b>	transcription factor I subunit A; CBF-A; DNA-binding protein B; DBPB; Enhancer factor I subunit A; EFI-A; Y-box transcription factor; Y-box-binding protein 1; YB-
<b>Gene ID</b>	4904
<b>SwissProt ID</b>	P67809
<b>Immunogen</b>	A synthetic peptide of human YB1

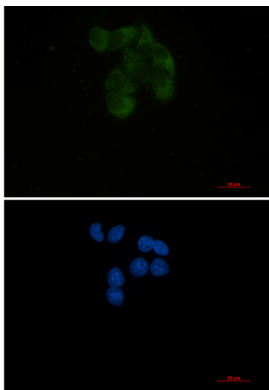
**Background**

This gene encodes a highly conserved cold shock domain protein that has broad nucleic acid binding properties. The encoded protein functions as both a DNA and RNA binding protein and has been implicated in numerous cellular processes including regulation of transcription and translation, pre-mRNA splicing, DNA reparation and mRNA packaging. This protein is also a component of messenger ribonucleoprotein (mRNP) complexes and may have a role in microRNA processing. This protein can be secreted through non-classical pathways and functions as an extracellular mitogen. Aberrant expression of the gene is associated with cancer proliferation in numerous tissues. This gene may be a prognostic marker for poor outcome and drug resistance in certain cancers. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on multiple chromosomes. [provided by RefSeq, Sep 2015]

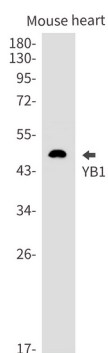
## Research Area

Tags & Cell Markers

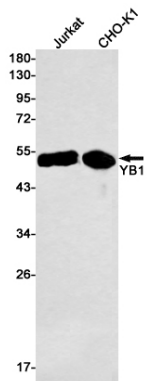
## Image Data



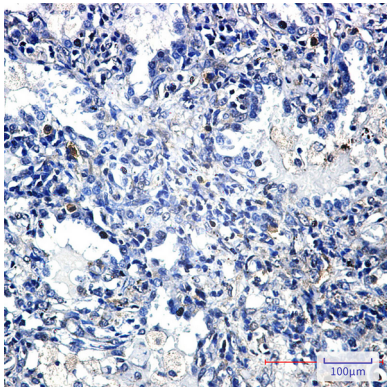
Immunocytochemistry analysis of YB1 (green) in HeLa using YB1 antibody, and DAPI (blue).



Western blot analysis of YB1 in mouse heart lysates using YB1 antibody.



Western blot analysis of YB1 in Jurkat, Hela lysates using YB1 antibody



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using YB1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.