

## Product datasheet for **TA339853**

### **YB1 (YBX1) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-YBX1 antibody is: synthetic peptide directed towards the C-terminal region of Human YBX1. Synthetic peptide located within the following region: PYGRRPQYSNPPVQGEVMEGADNQGAGEQGRPVRQNMRYRPRFRGGPP
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35 kDa
Gene Name:	Y-box binding protein 1
Database Link:	<a href="#">NP_004550</a> <a href="#">Entrez Gene 4904 Human P67809</a>



[View online »](#)

**Background:**

YBX1 binds to splice sites in pre-mRNA and regulates splice site selection. YBX1 binds and stabilizes cytoplasmic mRNA. YBX1 contributes to the regulation of translation by modulating the interaction between the mRNA and eukaryotic initiation factors. YBX1 binds to promoters that contain a Y-box (5'-CTGATTGGCCAA-3'), such as HLA class II genes. YBX1 regulates the transcription of numerous genes. YBX1 promotes separation of DNA strands that contain mismatches or are modified by cisplatin. YBX1 has endonucleolytic activity and can introduce nicks or breaks into double-stranded DNA (in vitro). YBX1 may play a role in DNA repair. YBX1 is the component of the CRD-mediated complex that promotes MYC mRNA stability.

**Synonyms:**

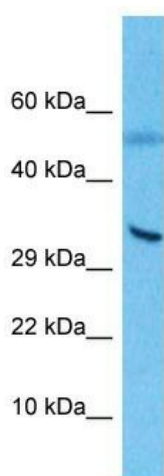
BP-8; CSDA2; CSDB; DBPB; MDR-NF1; NSEP-1; NSEP1; YB-1; YB1

**Note:**

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Mouse: 100%; Rabbit: 100%; Horse: 93%; Human: 93%; Sheep: 93%; Bovine: 93%; Guinea pig: 93%

**Protein Families:**

ES Cell Differentiation/IPS, Transcription Factors

**Product images:**

Host: Rabbit

Target Name: YBX1

Sample Tissue: Thymus Tumor Lysate

Antibody Dilution: 1.0 µg/ml

Host: Rabbit; Target Name: YBX1; Sample Tissue: Thymus Tumor lysates; Antibody Dilution: 1.0 ug/ml