

## Product datasheet for **AP11366PU-N**

### YBX2 (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	ELISA 1:1,000. Immunohistochemistry 1:10 - 1:50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human YBX2.
Specificity:	This antibody detects YBX2 at C-term.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Y-box binding protein 2
Database Link:	<a href="#">Entrez Gene 51087 Human Q9Y2T7</a>



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**Background:**

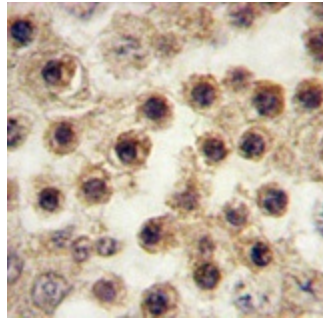
YBX2 is a major constituent of messenger ribonucleoprotein particles (mRNPs). It is involved in the regulation of the stability and/or translation of germ cell mRNAs. It binds to Y-box consensus promoter element and to full length mRNA with high affinity in a sequence-independent manner. It binds to short RNA sequences containing the consensus site 5'-UCCAUCA-3' with low affinity and limited sequence specificity. Its binding with maternal mRNAs is necessary for its cytoplasmic retention. YBX2 may mark specific mRNAs (those transcribed from Y-box promoters) in the nucleus for cytoplasmic storage, thereby linking transcription and mRNA storage/translational delay.

**Synonyms:**

Contrin, DBPC, CSDA3, MSY2

**Note:**

Molecular weight: 38518 Da

**Product images:**

Formalin-fixed and paraffin-embedded human testis tissue reacted with YBX2 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.