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Datasheet for ABIN6991393  
**anti-YBX2 antibody (AA 300-350)**

### Overview

Quantity:	0.1 mg
Target:	YBX2
Binding Specificity:	AA 300-350
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YBX2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	YBX2 antibody was raised against an 18 amino acid synthetic peptide near the carboxy end of human YBX2. The immunogen is located within amino acids 300 - 350 of YBX2.
Isotype:	IgG
Purification:	YBX2 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	YBX2
Alternative Name:	YBX2 ( <a href="#">YBX2 Products</a> )
Background:	YBX2 Antibody: Germ cell specific Y-box binding protein (YBX2), a germ-cell-specific member of the Y-box family of DNA-/RNA-binding proteins, is a major constituent of messenger

## Target Details

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ribonucleoprotein particles (mRNPs) and involved in the regulation of the stability and/or translation of germ cell mRNAs. It is proposed to function as a coactivator of transcription in the nucleus and to stabilize and store maternal and paternal mRNAs in the cytoplasm. YBX2 binds to the Y-box consensus promoter element and is expressed in oocytes and testicular germ cells in the stage of spermatogonia to spermatocyte. Recent studies show that deletion of YBX2 leads to the disruption of both spermatogenesis and oogenesis.

Gene ID: 51087

NCBI Accession: [NP\\_057066](#)

UniProt: [Q9Y2T7](#)

Pathways: [Chromatin Binding](#)

## Application Details

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Application Notes: YBX2 antibody can be used for detection of YBX2 by Western blot at 1 - 2  $\mu$ g/mL. Antibody can also be used for immunohistochemistry starting at 10  $\mu$ g/mL. For immunofluorescence start at 20  $\mu$ g/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 mg/mL

Buffer: YBX2 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: YBX2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.