

Datasheet for ABIN2784387
anti-YBX1 antibody (C-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	YBX1
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Cow, Dog, Pig, Sheep, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YBX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human YBX1
Sequence:	PYGRRPQYSN PPVQGEVMEG ADNQGAGEQG RPVRQNMYRG YRPRFRRGPP
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 93%, Horse: 93%, Human: 93%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 93%
Characteristics:	This is a rabbit polyclonal antibody against YBX1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	YBX1
Alternative Name:	YBX1 (YBX1 Products)

Target Details

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. Alias Symbols: BP-8, CSDA2, CSDB, DBPB, MDR-NF1, NSEP-1, NSEP1, YB-1, YB1 Protein Interaction Partner: UBC, TP53, AKT1, SPRTN, AURKA, SUMO2, STAU1, IVNS1ABP, SMURF2, EZH2, BMI1, SUZ12, RNF2, HNRNPU, HNRNPAB, HNRNPA2B1, FUS, FKBP3, DYNC1LI2, DYNC1I2, DYNC1H1, DDX1, APBB1, G3BP1, EIF2B2, TUBB, PRPF40A, EIF3K, DIMT1, TUBA4A, RPL23A, PTBP1, PA2G4, NMT1, MAP2, Protein Size: 324
Molecular Weight:	35 kDa
Gene ID:	4904
NCBI Accession:	NM_004559 , NP_004550
UniProt:	P67809
Pathways:	Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

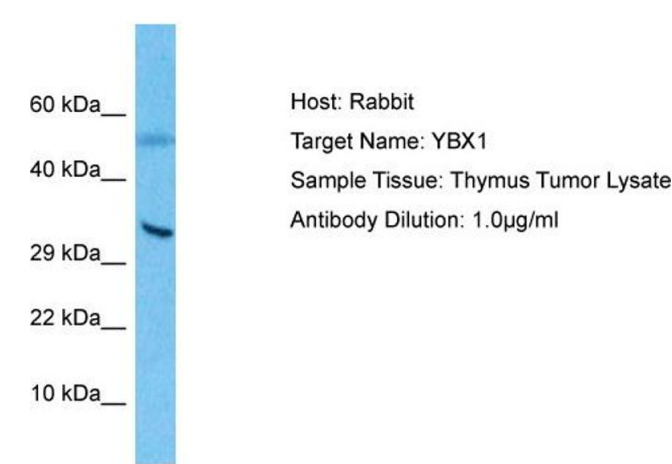
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

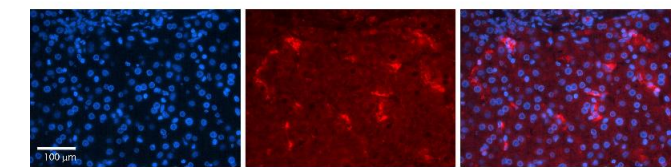
	should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. Host: Rabbit Target Name: YBX1 Sample Type: Thymus Tumor lysates Antibody Dilution: 1.0ug/ml



Immunohistochemistry

Image 2. Rabbit Anti-YBX1 Antibody Catalog Number: ARP50946_P050 Formalin Fixed Paraffin Embedded Tissue: Human Liver Tissue Observed Staining: Cytoplasm in Kupffer cells in sinusoids Primary Antibody Concentration: 1:100 Other Working Concentrations: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec