

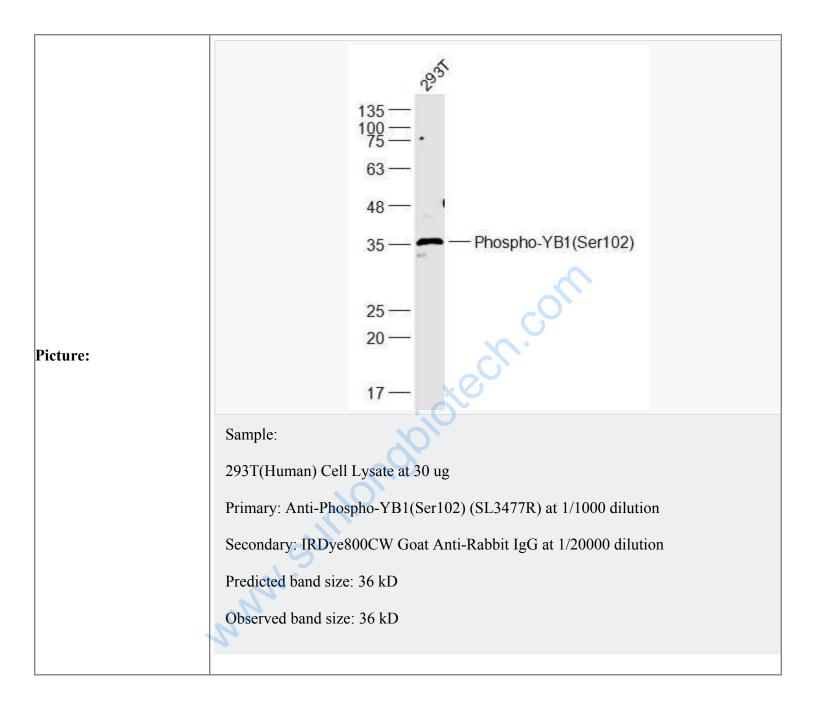
Rabbit Anti-Phospho-YB1 (Ser102) antibody

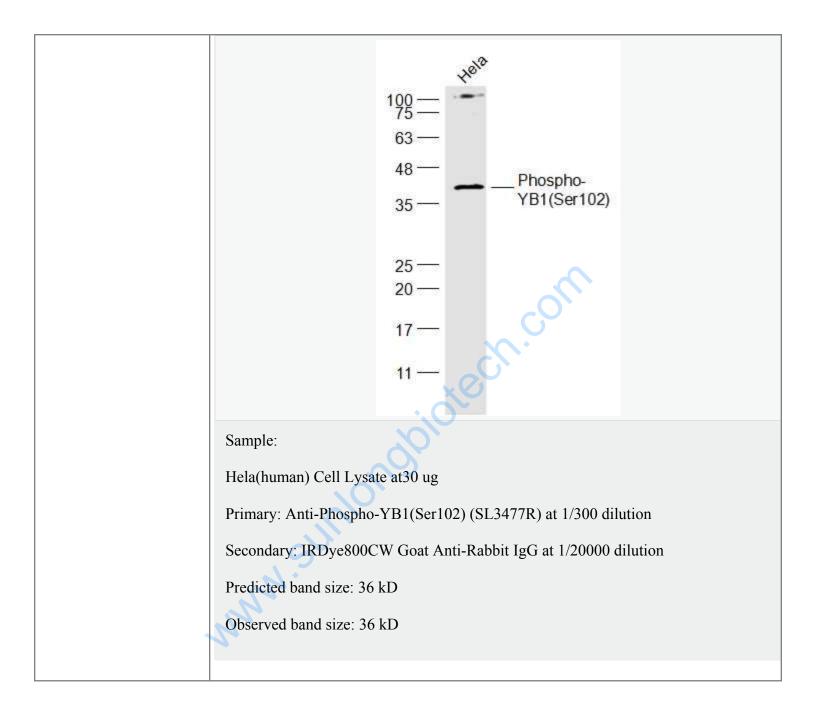
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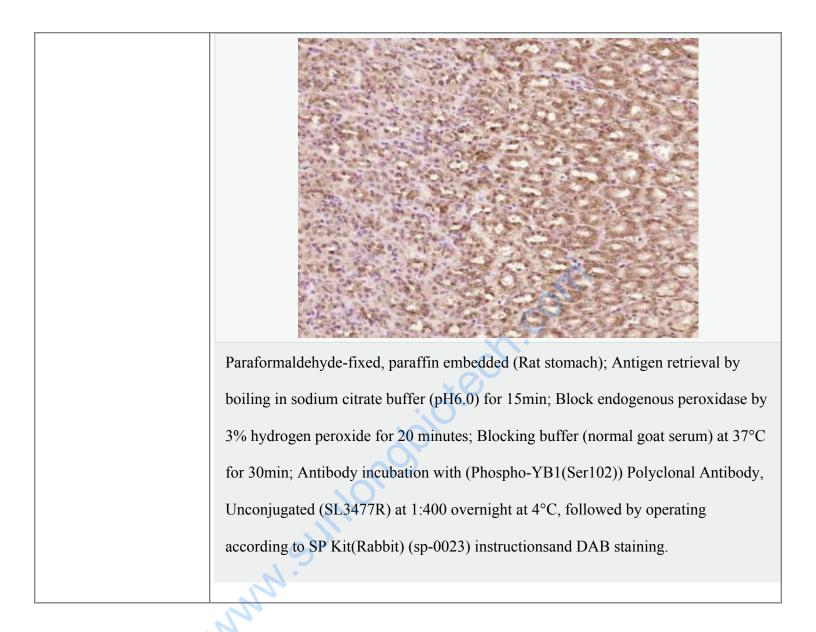
Product Name:	Phospho-YB1 (Ser102)
Chinese Name:	磷酸化核酸酶敏感元件Binding protein1抗体
Alias:	Y box-binding protein1; nuclease sensitive element binding protein 1; YB1; BP-8; CSDB; DBPB; YB-1; CSDA2; NSEP1; NSEP-1; MDR-NF1; MGC104858; MGC110976; MGC117250; YBX1; CCAAT binding transcription factor I subunit A; DNA binding protein B; major histocompatibility complex, class II, Y box-binding protein I; CBF-A; EFI-A; Enhancer factor I subunit A; EFI-A; p50; Q15905; YBOX1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Guinea Pig,
	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-
	500 (Paraffin sections need antigen repair)
Applications:	not yet tested in other applications.
	optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	36kDa
Cellular localization:	The nucleuscytoplasmicSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human YB1 around the phosphorylation site of Ser102:LR(p-S)VG
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

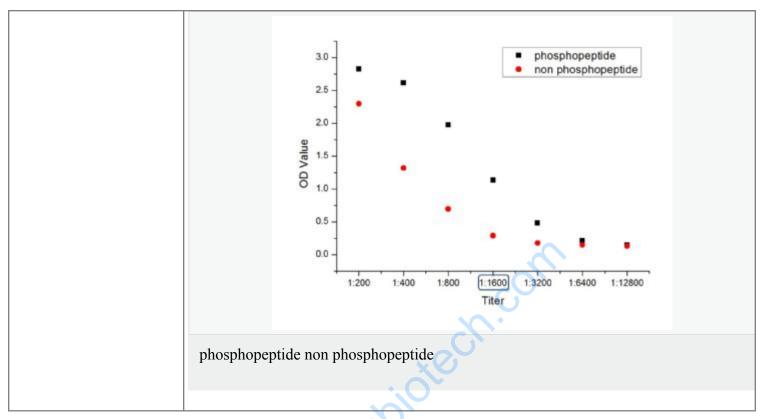
Product Detail:	The Y-box binding protein 1(YB1)is a pluripotent DNA/RNA-binding factor which regulates gene expression through transcription and translation. YB1 has been shown to be a marker of tumour aggressiveness and belongs to the cold-shock domain family. Function: Mediates pre-mRNA alternative splicing regulation. Binds to splice sites in pre-mRNA and regulates splice site selection. Binds and stabilizes cytoplasmic mRNA. Contributes to the regulation of translation by modulating the interaction between the mRNA and eukaryotic initiation factors (By similarity). Regulates the transcription of numerous genes. Its transcriptional activity on the multidrug resistance gene MDR1 is enhanced in presence of the APEX1 acetylated form at Lys-6' and Lys-7'. Binds to promoters that contain a Y-box (5'-CTGATTGGCCAA-3'), such as MDR1 and HLA class II genes. Promotes separation of DNA strands that contain mismatches or are modified by cisplatin. Has endonucleolytic activity and can introduce nicks or breaks into double-stranded DNA (in vitro). May play a role in DNA repair. Component of the CRD-mediated complex that promotes MYC mRNA stability. Binds preferentially to the 5'-ICUJCUGCG-3' motif in vitro. The secreted form acts as an extracellular mitogen and stimulates cell migration and proliferation. Subunit: Identified in a histone pre-mRNA complex, at least composed of ER11, LSM11, SLBP, SNRPB, SYNCRIP and YBX1 (By similarity). Component of the coding region determinant (CRD)-mediated complex, composed of DHX9, HNRNPU, IGF2BP1, SYNCRIP and YBX1. Identified in a mRNP granule complex, at least composed of DHX9, DDX3X, ELAVL1, HNRNPU, IGF2BP1, ILF3, PABPC1, PCBP2, PTBP2, STAU1, STAU2, SYNCRIP and YBX1. Identified in a mRNP granule complex, at least composed of ACTB, ACTN4, DHX9, ERG, HNRNPA1, HNRNPA2B1, HNRNPAB, HNRNPD, HNRNPA, HSPAN, HSPAN
	Subcellular Location: Cytoplasm. Nucleus. Cytoplasmic granule. Secreted. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Shuttles between nucleus and cytoplasm. Predominantly cytoplasmic in proliferating cells. Cytotoxic stress and DNA damage enhance translocation to the nucleus. Localized with DDX1, MBNL1 and TIAL1 in stress granules upon stress. Secreted by mesangial and monocytic cells after inflammatory challenges. Translocates from the cytoplasm to the nucleus after and

colocalizes with APEX1 in nuclear speckles after genotoxic stress.
Post-translational modifications: Ubiquitinated by RBBP6; leading to a decrease of YBX1 transcactivational ability. In the absence of phosphorylation the protein is retained in the cytoplasm.br Similarity: Contains 1 CSD (cold-shock) domain.
SWISS: P67809
Gene ID: 4904 Database links: Entrez Gene: 4904Human Entrez Gene: 22608Mouse Entrez Gene: 500538Rat Omim: 154030Human SwissProt: P67809Human SwissProt: P62960Mouse
Database links:
Entrez Gene: 4904Human
Entrez Gene: 22608 Mouse
Entrez Gene: 500538Rat
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SwissProt: P62961Rat
Unigene: 473583Human
Unigene: 258204Mouse
Unigene: 110976Rat
Unigene: 194909Rat
Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.









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