

## Anti-YB1 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Chicken, Dog, Pig, Cow, Rabbit)
Molecular Weight:	Theoretical: 36 kDa. Actual: 50 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	<p>1. Tissue/cell: human glioma tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-YBX-1/YB1 Polyclonal Antibody, Unconjugated (TMAB-14228) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p> <p>2. Paraformaldehyde-fixed, paraffin embedded (mouse stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (YB1) Polyclonal Antibody, Unconjugated (TMAB-14228) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p> <p>3. Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (YB1) Polyclonal Antibody, Unconjugated (TMAB-14228) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p> <p>4. Sample:                      Lane 1: Mouse Testis tissue lysates                      Lane 2: Rat Testis tissue lysates                      Lane 3: Human MCF-7 cell lysates                      Lane 4: Human HL-60 cell lysates                      Lane 5: Human U251 cell lysates                      Primary: Anti-YB1 (TMAB-14228) at 1/1000 dilution                      Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution                      Predicted band size: 36 kDa                      Observed band size: 50 kDa</p>
Application:	WB, IHC-P, IHC-Fr, IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## A DRUG SCREENING EXPERT

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human YB1

Antigen Species: Human

Gene ID: 4904

Uniprot ID: P67809

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### Research Background

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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