

## Anti-YB1/Ybx1 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: A01054-1-Fluoro647

### About Ybx1

Y box binding protein 1 also known as Y-box transcription factor or nuclease-sensitive element-binding protein 1 is a protein that in humans is encoded by the YBX1 gene. Enables chromatin binding activity; mRNA binding activity; and single-stranded DNA binding activity. Involved in epidermis development and negative regulation of cellular senescence. Acts upstream of or within several processes, including cellular response to interleukin-7; negative regulation of striated muscle cell differentiation; and negative regulation of transcription by RNA polymerase II. Located in cytoplasm and nucleus. Part of histone pre-mRNA 3'end processing complex. Is expressed in several structures, including branchial arch; central nervous system; facial prominence; gonad; and retina. Orthologous to human YBX1 (Y-box binding protein 1).

### Overview

Product Name	Anti-YB1/Ybx1 Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P62960

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of mouse YB1/Ybx1, identical to the related rat sequences.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

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