

Datasheet for ABIN7662067
anti-YBX1 antibody (CF®647)



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Overview

Quantity:	100 µL
Target:	YBX1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This YBX1 antibody is conjugated to CF®647
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	YBX1 / Y-box Binding Protein 1 / YB-1 (Tumor Biomarker)(YBX1/2430), CF647 conjugate
Immunogen:	Recombinant human full-length YBX1 protein
Clone:	YBX1-2430
Isotype:	IgG2b, kappa
Characteristics:	The specificity of this monoclonal antibody to its intended target was validated by HuProt™, Array, containing more than 19,000 full-length human proteins. Y-box binding protein-1 (YBX1) is the prototypic member of the cold shock protein family that fulfills numerous cellular functions. In the nucleus, YBX1 protein orchestrates transcription of proliferation-related genes, whereas in the cytoplasm it associates with mRNA and directs translation. In human tumor entities, such as breast, lung and prostate cancer, cellular YBX1 expression indicates poor clinical outcome, suggesting that YBX1 is an attractive marker to predict patients' prognosis.

Product Details

Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	YBX1
Alternative Name:	Y-box Binding Protein 1
Background:	Synonyms: BP-8, CSDA2, CSDB, DBPB, MDR-NF1, NSEP-1, NSEP1, YB-1, YB1 Gene Symbol: YBX1
Molecular Weight:	36 kDa
Gene ID:	4904
UniProt:	P67809
Pathways:	Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Positive Control: MCF-7, HEK293 or PC12 cells. Prostate, Breast or Lung Carcinoma.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % BSA, 0.05 % 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.
Handling Advice:	Protect from light
Storage:	4 °C

Handling

Storage Comment: Stable at room temperature or 37°C for 7 days.
 Protect from light
 Store at 2 to 8°C. Protect fluorescent conjugates from light

Expiry Date: 24 months